



Mission Critical Server Solutions

• **NVMe** • **SAS 3.0** • 10G SFP+ • 40G QSFP • **Titanium Level** (96%+) • **BBP®**

New Generation X10 Haswell Solutions

New!

3 GPU/Xeon Phi™ Cards
SYS-1028GR-TR(T)
16 DIMMs, Dual 10GBase-T



X10/X9 Xeon® Processor E7/E5/E3 Based Platforms E5-2600/1600 v3 (Haswell) Support

New Generation Ultra 1U
NVMe / SAS 3.0 (12Gbps) / Titanium Level Power



New! SYS-1028U-T(N)R(4/4T/T/TP)+

Ultra Rackmount Solution

- Max I/O: 2 FHFL PCI-E x16, 1 LP x8, 1 internal PCI-E x8
- Max Networking: 4x 10Gbase-T, 4x GbE, and more
- Max Storage: 10x 2.5" SAS3, SAS2, and SATA; NVMe
- Max Cooling: 4 - 8 redundant fans
- Max CPU, memory performance, and capacity

New Generation TwinPro™
NVMe / SAS 3.0 (12Gbps) / FDR IB / 40G Ethernet



New! SYS-2028TP-D Series

2 Hot-swap Nodes in 2U, each Node up to:

- 4 NVMe
- 8x 2.5" hot-swap SAS 3.0 (12Gbps) drive bays
- 2 Low-Profile AOCs
- Dual 56Gbps FDR IB / 40G Ethernet / 10GBase-T
- 16 DIMMs, up to 1TB DDR4 2133MHz
- Redundant 1600W Titanium Level power

New Generation GPU/Xeon Phi™
Up to 4 GPU/ Xeon Phi™ Coprocessors in 4U



New! SYS-7048GR-TR

Tesla® Kepler/Xeon Phi™ Ready!

- 1TB DDR4 up to 2133MHz in 16 DIMMs
- 7.1 HD Audio Header
- Thunderbolt AOC support
- 8x 3.5" hot-swap SATA drive bays
- GPU health monitoring with fan speed control
- Redundant 2000W Titanium Level power

November 2014



Ultra Servers

- New!** Supports up to: • 36 Cores and 160W TDP Dual Intel® Xeon® processor E5-2600 v3 Product Families
- 1.5TB DDR4-2133MHz in 24 DIMMs • 40G/10GBase-T /1GbE/10G SFP+ Flexible LAN ports options
 - NVMe/SAS3/SATA3 • 8/4 AOCs in 2U/1U • Redundant Titanium Level (96%+) Power Supplies



SYS-1028U-T(N)R(4/4T/T/TP)+
NVMe Support (see p.9)



SYS-6018U-TR(4/4T/T/TP)+



SYS-2028U-T(N)R(4/4T/T/TP)+
Titanium Level (96%+) Power (see p.8)



SYS-6028U-T(N)R(4/4T/T/TP)+
Titanium Level (96%+) Power (see p.8)

Introducing Ultra Enterprise Servers

Supermicro's latest SuperServer® product line designed to deliver unrivaled performance, flexibility, scalability, and serviceability that is ideal for demanding Enterprise workloads.

Performance: Ultra Enterprise Servers feature the most powerful dual Intel® Xeon® processor E5-2600 v3 product family CPUs (160W/up to 36 Cores), with up to 1.5TB of memory in 24 DIMMs, SATA3 with optional SAS3 and NVMe support for increased storage bandwidth, and energy efficient Titanium (96%+) / Platinum (94%) Level power supplies help greatly lower energy consumption costs of running your datacenter.

Flexibility: Ultra Enterprise Servers allow enterprise IT professionals the ability to easily qualify a single server platform that can be reconfigured for the widest variety of workloads, reducing qualification times and the need for maintaining additional models or spares inventories. A wide variety of Ultra Riser options are available that includes integrated dual or quad port 1G, 10GBASE-T, 10G SFP+, 40G Ethernet, and future expansion options, support for Add-on SAS 3 HW/SW RAID controllers, and additional PCI-E 3.0 expansion slots in a single Add-on-Module making it simple and easy to reconfigure an Ultra Enterprise server quickly and repurpose it for any workload across your organization.

Scalability: Ultra Enterprise Servers are highly scalable and provide the greatest expansion density of any 1U/2U system on the market today. Supporting up to four PCI-E 3.0 Add-on-Cards in 1U and up to eight PCI-E 3.0 Add-on-Cards in a 2U, plus supporting multiple 3.5" and 2.5" SSD/HDD storage options (up to 24 drives) Ultra truly future-proofs your datacenter from a sea of ever changing business needs.

Serviceability: Supermicro understands the business requirements for quality and timely support in today's Enterprise. We offer excellent 24/7/365 support for our Ultra products including options for global overnight or 4-hour on-site service at your location. Plus, with our new remote management software options it makes remote management of your infrastructure simple and effective.

For more information about our full line of Ultra Enterprise Servers, please contact your Supermicro sales representatives and find out just how we can solve all your enterprise computing needs.





Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

GPU/Xeon Phi™

New! 4/6 GPU/Xeon Phi™ in 1U/2U

Supports up to: • 36 Cores and 160W TDP • 1TB DDR4-2133MHz in 16 DIMMs • 4/6 GPUs in 1U/2U

• SATA 3.0 • 10GBase-T • Redundant **Platinum Level Power Supplies**

Xeon Phi™/Tesla® Kepler Ready!



SYS-7048GR-TR

4U GPU/Xeon Phi™

- 1TB DDR4 up to 2133MHz in 16 DIMMs
- 7.1 HD Audio Header
- Thunderbolt AOC support
- 8x 3.5" hot-swap SATA drive bays
- GPU health monitoring with fan speed control
- Redundant 2000W **Titanium Level** power
- 4 x PCI-E 3.0 x16 slots, 2 x PCI-E 3.0 x8 (1 in x16), 1 x PCI-E 2.0 x4 (in x8)
- Support for up to 160W TDP

1U GPU/Xeon Phi™

Xeon Phi™/Tesla® Kepler Ready!



SYS-1028GR-TR
SYS-1028GR-TR(T)

1U UP GPU/Xeon Phi™

Xeon Phi™/Tesla® Kepler Ready!



SYS-1018GR-T (shown)
SYS-5018GR-T

2U GPU/Xeon Phi™

Xeon Phi™/Tesla® Kepler Ready!



SYS-2028GR-TR(T)
SYS-2028GR-TRH(T)

Maximum Acceleration for Highest-Performance Workloads



The Supermicro GPU/Xeon Phi™ SuperServer® systems support up to: 1TB DDR4 2133MT/s L/RDIMM ECC memory in 16 DIMM slots, 4/6 GPU/Xeon Phi™ cards in 1U/2U, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Titanium Level** (96%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor **E5-2600 v3** product family up to 36 cores per node and 160W TDP.

Generating massively parallel processing power and unrivaled networking flexibility with PCI-E 3.0 expansion slots and 10GBase-T LAN, the Supermicro GPU/Xeon Phi™ SuperServer® systems deliver the maximum processing acceleration for the most compute-intensive workloads in the smallest physical dimensions. With support for the very latest DP processors and up to 4/6 GPU/Xeon Phi™ in 1U/2U, these powerful Supermicro GPU/Xeon Phi™ SuperServers help customers to create the most optimized solutions for their supercomputing needs. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro's powerful GPU/Xeon™ SuperServer® systems are optimized for HPC, Medical Imaging, Oil and Gas simulation, Computational Finance, Science and Engineering, and Media/Entertainment.



Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

Data Center Optimized

New! Best Cooling for Highest Data Center Power Efficiency

Supports up to: • 36 Cores per Serverboard and 145W TDP • 16 DIMMs, 1TB DDR4-2133MHz

• 4 AOC (3 standard AOCs and 1 **SAS3** Mezzanine card) in 1U • **NVMe** • 2x 10G SFP+

*1U Data Center Optimized
DDR4, 16 DIMMs, Up to 3 add-on cards
600W Platinum Level Power
8x 3.5" hot-swap SATA HDD bays*



SYS-1028R-TDW

*1U Data Center Optimized
DDR4, 16 DIMMs, Up to 3 add-on cards
650W Platinum Level Power
8x 3.5" & 2x 2.5" Fixed SATA Drives*



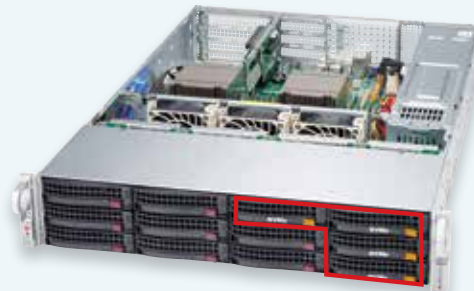
SYS-6018R-TD8

*1U Data Center Optimized
DDR4, 16 DIMMs, Up to 3 add-on cards
600W Platinum Level Power
4x 3.5" hot-swap SATA HDD bays*



SYS-6018R-TDW

*2U Data Center Optimized
DDR4, 16 DIMMs, Up to 4 add-on cards
Redundant 920W Platinum Level Power
8x 3.5" SATA + 4x 2.5" **NVMe** drive bay*



SYS-6028R-TDWN



Best Cooling for Highest Data Center Power Efficiency

The Supermicro Data Center Optimized serverboard product family supports up to: 1TB of DDR4-2133MHz LRDIMM ECC memory in 16 DIMM slots, up to 4 AOC cards (3 standard AOC and one SAS mezzanine) in 1U, 4 PCI-E (1 PCI-E 3.0 x16, 2 PCI-E 3.0 x8, 1 PCI-E 2.0 x8 in x4) slots, 10 SATA3 (6Gbps) ports via Intel® C612 controller, LAN option up to 2x 10G SFP+, 4 internal **NVMe** ports, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor **E5-2600 v3** product family up to 18 cores and 145W TDP.

With an improved thermal design that utilizes power efficient components and offset processors that help eliminate CPU preheating to allow higher operating temperatures, the Supermicro Data Center Optimized serverboard product family delivers the best performance-per-watt to optimize data center Total Cost of Ownership (TCO). The Data Center Optimized product line perfectly complements modern energy efficient data center designs.

With best performance and energy efficiency, Supermicro Data Center Optimized serverboards are the best selection for Virtualized Hosting, Cloud Computing, and Database applications in data center environments where electric power must be minimized.



Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) Product Families Support

WIO

New! 2/6 Add-on Cards in 1U/2U

Supports up to: • 36 Cores and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs

• NVMe • Dual 10GBase-T • Redundant **Platinum Level Power Supplies**

WIO 1U
16 DIMMs, 2x 10GBase-T, AOM



SYS-1028R-WTR(T)

WIO 1U
16 DIMMs, 2x 10GBase-T, AOM



SYS-1028R-WC1R(T)

WIO 1U
16 DIMMs, 2x 10GBase-T, AOM



SYS-6018R-WTR(T)

UP WIO
Flexible I/O Storage Array



SYS-1018R-WC0R
Supports Intel® Xeon® processor
E5-1600 v3 product family

WIO 2U
16 DIMMs, 2x 10GBase-T, LHR/RHR/AOM



SYS-6028R-WTR(T)

WIO 2U
8 DIMMs, LHR/RHR



SYS-5028R-WR
Supports Intel® Xeon® processor
E5-1600 v3 product family

Densest I/O for Diverse Applications



The Supermicro WIO SuperServer® product family supports up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 2/6 Add-on Cards in 1U/2U, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, optional **NVMe** drives, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Platinum Level** (95%) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor E5-2600 and E5-1600 v3 product families up to 36 cores per system and 145W TDP.

Supermicro WIO SuperServer® systems allow users to select from a wide range of I/O options to optimize the storage and networking alternatives to best fit their applications. In addition to enabling customizable configurations and optimization for a wide range of application requirements, Supermicro WIO SuperServers also provide attractive cost advantages and investment protection. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro WIO SuperServers are optimized for General Purpose, ERP/MRP, and Network and Security Appliance Applications.



Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

Application Optimized

New! Widest Server Selection for Enterprise IT

Supports up to: • 36 Cores and 145W TDP • 1.5TB DDR4-2133MHz in 24 DIMMs • 7 PCI-E

• Quad 10GBase-T or Quad Gigabit Ethernet LANs • Redundant Titanium/Platinum Level Power Supplies

*Short Depth
DDR4 8x DIMMs,
Redundant Power Supplies*



SYS-6018R-MT
SYS-6018R-MTR

*UP, Cost-Effective,
8 DIMMs, PCI-E,
350W / Redundant 400W power w/
BBP™ module support*



SYS-5018R-M
SYS-5018R-MR
*Supports Intel® Xeon® processor
E5-1600 v3 product family*

*2U Cost-Optimized
DDR4, 16 DIMMs,
2x LAN Ports, 6x Add-on Cards*



SYS-6028R-T(T)

*2U SAS3/SATA3
Quad LAN, 24 DIMMs, 10GBase-T*



SYS-2028R-C1R4+
SYS-2028R-C1R(T)4+

*2U I/O Optimized,
DDR4, 16 DIMMs,
8x 3.5" Hot-swap HDDs,
740W Redundant Platinum Level*



SYS-6028R-TR(T)

*4U Resource Optimized
24 DIMMs, SAS 3.0,
16 Hot-swap HDDs
1000/920W Redundant
Titanium/Platinum Level
Up to 6 add-on cards*



SYS-7048R-C1R4+
SYS-7048R-C1RT4+

*4U Resource Optimized
16 DIMMs, 7 PCI-E 3.0,
SAS 3.0, 2x 10GBase-T*



SYS-7048R-C1R
SYS-7048R-C1RT

*4U SAS3, DDR4,
16 DIMMs, 6 PCI-E 3.0
920W Redundant Platinum Level*



SYS-7048R-TR(T)

Widest Server Selection for Enterprise IT



The Supermicro Mainstream Application Optimized SuperServer® product family supports up to: 1.5TB/1TB of DDR4-2133MHz Registered ECC memory in 24/16 DIMM slots, 7 PCI-E slots, 10 SATA 3.0 (6Gbps) ports with Intel® C612 controller, 8x SAS3, LAN options up to 2x 10GBase-T or 2 Gigabit Ethernet ports, redundant **Titanium/Platinum Level** (94%+) power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual or single Intel® Xeon® processor E5-2600 and E5-1600 v3 product families up to 36 cores per system and 145W TDP.

The Mainstream Application Optimized SuperServer® product family from Supermicro are optimal entry level or volume selections for Enterprise IT managers. By choosing the exact model with just the right set of integrated features needed for their applications from the broadest product selection, customers can save significant amounts on CAPEX, while Supermicro's energy-efficient server designs will help them save on OPEX as well. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

The Supermicro Application Optimized SuperServer® product family supports a wide variety of mainstream server applications, including General Purpose Data Center Servers, Web Servers, and Enterprise/Workgroup Server Systems, in many attractive and cost-effective form factors.



Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) Product Families Support

SuperStorage

New! Highest Performance and Storage Density

Supports up to: • 36 Cores and 145W TDP • 512GB DDR4-2133MHz in 8 DIMMs • SAS 3.0

• Quad GbE LAN • Redundant Platinum Level Digital Power Supplies



New!SSG-2028R-E1CR24N (SAS 3.0)
New!SSG-2028R-E1CR24L (SAS 3.0)
New!SSG-2028R-E1CR24H (SAS 3.0)

24x 2.5" SAS2/SATA3
hot-swap drive bays
920W **Platinum Level**
Redundant power supplies

New!SSG-6028R-E1CR12N (SAS 3.0)

New!SSG-6028R-E1CR12L (SAS 3.0)

New!SSG-6028R-E1CR12H (SAS 3.0)

New!SSG-5028R-E1CR12L (UP) (SAS 3.0)

12x 3.5" SAS2/SATA3
hot-swap drive bays
920W **Platinum Level**
Redundant power supplies



SSG-6038R-E1CR16N (SAS 3.0)

SSG-6038R-E1CR16L (SAS 3.0)

SSG-6038R-E1CR16H (SAS 3.0)

16x 3.5" SAS2/SATA3
hot-swap drive bays
920W **Platinum Level** Redundant
power supplies

SSG-6048R-E1CR24N (SAS 3.0)

SSG-6048R-E1CR24L (SAS 3.0)

SSG-6048R-E1CR24H (SAS 3.0)

24x 3.5" SAS2/SATA3 hot-swap
drive bays
920W **Platinum Level** Redundant
power supplies



(Rear View)

72x HDDs in 4U Double Sided Storage®

SSG-6047R-E1R72L/2K (HBA/ITmode)

72x 3.5" HDDs in 36x hot-swap drive bays (2x HDD per bay)

1280W **Redundant Platinum Level Digital**

high-efficiency power supplies with I²C & PMBus (2+1)

2000W **Redundant Platinum Level** (1+1)

Double Sided Storage®

New!SSG-6048R-E1CR36N (SAS 3.0)

New!SSG-6048R-E1CR36L (SAS 3.0)

New!SSG-6048R-E1CR36H (SAS 3.0)

New!SSG-5048R-E1CR36L (UP) (SAS 3.0)

36x 3.5" SAS2/SATA3 hot-swap drive bays

1280W **Platinum Level** Redundant power supplies

High Performance Storage Servers

The Foundation of a Flexible and Efficient Storage Deployment

Supermicro's SuperStorage solutions include everything needed for a rock solid storage foundation. Standard features, including unmatched computing power with the latest Intel® Xeon® E5-2600 v3 product family of dual socket processors. Individual models are designed to meet the demands of the toughest storage environments. From low-latency SSD applications to the massive capacity needed for large media files. SuperStorage supports node based deployment strategies where CPU and HDD capacity scale together or systems can be expanded using JBOD for improving economy as you scale. Enterprise customers in need of highest performance will appreciate Supermicro SAS 3.0 (12Gbps) support which provides low-latency and maximum data bandwidth. SuperStorage offers a no compromise storage platform with flexible market entry points from 2U, 3U and 4U form factors using 2.5" and 3.5" HDDs.

Applications include CPU Intensive Storage, Virtual Storage Environments, Single Instance Storage & Data Deduplication, Data Replication & Business Continuity, and Virtual Tape Library.



Titanium Power (96%+)

New! Highest Efficiency (96%+) Digital Switching Power Supplies

- Digital Design • Widest Portfolio of Capacities • Largest Number of Servers Supported
- Single and Redundant Configurations • **Available Now!** • Additional Models Coming Soon

1600W
Titanium Level



PWS-1K68A-1R

2000W
Titanium Level



PWS-2K04A-1R

1000W / 1200W
Titanium Level



PWS-1K02A-1R
PWS-1K22A-1R

1000W / 1200W
Titanium Level



PWS-1K03A-1R
PWS-1K23A-1R

2000W
Titanium Level



PWS-2K01A-BR

Optimized Systems

Mainstream 4U Tower
w/ Quad LAN



SYS-7048R-C1R(T)4+

FatTwin™
4-Node RIO



F628R3-RTBN+

MicroBlade



MicroBlade

2U Ultra Rack Mount 2.5"



SYS-2028U-TR(4/4T/T/TP)+

2U Ultra Rack Mount 3.5"



SYS-6028U-TR(4/4T/T/TP)+

TwinPro NVMe 2.5"



SYS-2028TP-DNC(T)(F)R

TwinPro NVMe 3.5"



SYS-6028TP-DNC(T)(F)R

Highest Efficiency (96%+) Digital Switching Power Supplies



Supermicro's wide range of high efficiency power supplies offer many important features including Titanium Level efficiency, digital switching control, super quiet operation, redundancy, remote monitoring with PMBus, support for GPUs/graphics cards, Supermicro's signature server level quality and reliability; in a variety of form factors and capacities. The latest Titanium Level (96%+) power supplies provide the greatest power efficiencies for highest electric power savings that is so significant that it can virtually pay for the power supply itself.

Supermicro's power supplies are designed for enterprise level applications where high quality and reliability are critical, and where the highest power efficiencies are required to reduce TCO (Total Cost of Ownership). With strong experience in the server systems market, Supermicro is experienced in testing and validating these power supplies in all relevant enterprise environments under all necessary operating conditions, compiling long operating records for multiple applications.



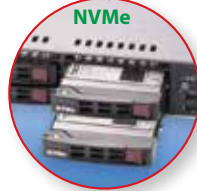
Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

Hot-swap NVMe

- New! Highest Performance • Up to 6x the bandwidth of SATA 3.0 (6Gbps)**
• >7x Better Latency than SAS 3.0 (12Gbps) • Widest Variety of Serverboards and Optimized Chassis Available



SYS-1028U-TNR4T+
SYS-1028U-TNRT+
SYS-1028R-WC1R
SYS-1028R-WC1RT



SYS-6028U-TNR4T+
SYS-6028U-TNRT+
SYS-6028R-TDWNR

Hot-swap NVMe – Next Generation SSD Technology

- Highest Performance up to 3GB/s Read and 460K IOPS
- Satisfies the Performance Demands of VDI, Cloud, Storage, and Server Caching
- 2.5" Form Factors
- Hot-swap protects against surprise add/remove

2U Data Center Optimized
16 DIMMs, up to 4 AOCs
2 NVMe



SYS-6028R-TDWNR

1U WIO, SAS 3.0
2 NVMe



SYS-1028R-WC1R(T)

1U Ultra 2.5"
1.5TB DDR4
2 NVMe/SAS3 Hybrid



SYS-1028U-TNR(4)T+

2U Ultra 2.5", 1.5TB DDR4
Titanium Level Power
2 NVMe & 2 NVMe/SAS3 Hybrid



SYS-2028U-TNR(4)T+

2U Ultra 3.5", 1.5TB DDR4
Titanium Level Power
2 NVMe & 2 NVMe/SAS3 Hybrid



SYS-6028U-TNR(4)T+

TwinPro™ 2U 2-Node
Up to 4x NVMe + 8x SAS 3.0
2.5" drives (per node)



SYS-2028TP-DNC(T)(F)R

TwinPro™ 2U 2-Node
Up to 4x NVMe + 2x SAS 3.0
3.5" drives (per node)



SYS-6028TP-DNC(T)(F)R

FatTwin™ 4U 4-Node
SAS, Rear I/O
2 NVMe



SYS-F628R3-RC1B(PT)+

FatTwin™ 4U 4-Node
SATA, Rear I/O
2 NVMe



SYS-F628R3-RTBN+

FatTwin 8-Node
SAS, Rear I/O
2 NVMe



SYS-F618R2-RC1(PT)+

Large Bandwidth and Latency Improvements with True Hot-swap Capability



The primary benefits of Supermicro SuperServer® solutions with NVMe support include improved performance (throughput and latency), hot-swap capability, ability to support up to 24 NVMe drives per server, cost-effectiveness compared to add-on card based solutions, and availability of many cost-optimized models from which to choose.

Supermicro is the first to market with true hot-swap support for NVMe SSD drives. This feature allows easy addition of storage capacity through the addition of SSDs, the replacement of existing SSDs with higher capacity units, or replacement of failed drives, while the server system is in operation. Additionally, the hot-swap feature protects against surprise removals, random device failures, or operator errors. Software hardening from Supermicro on its NVMe server product line provides an excellent protection against these all too-common data center issues.

Supermicro® Global SKUs

Supermicro® provides full integration, fulfillment and support services for customers in the Americas, Asia-Pacific (APAC), Europe, Middle East and Africa (EMEA) regions. Logistics and support for each region is processed through advanced operations centers in San Jose, CA (HQ), Taiwan (TW) and the Netherlands (NL). Products listed below are available in all of our branches across the globe.

Supermicro's global operations centers offer customers TTM advantages with streamlined processing, accelerated delivery as well as cost savings with reduced shipping charges and dedicated support within local time zones. Consult with your local Supermicro Sales Representative to optimize fulfillment and support of your Supermicro products through our worldwide logistics and service centers.



SYS-1028U-TR(4/4T/T/TP)+	SYS-6028R-TR	SSG-6047R-E1R36N
SYS-6018U-TR(4/4T/T/TP)+	SYS-6028R-WTR(T)	SYS-6026TT-HTRF
SYS-2028U-TR(4/4T/T/TP)+	SYS-6028TP-HC1R/HC1TR/HC1FR	SYS-6027TR-HTRF
SYS-6028U-TR(4/4T/T/TP)+	SYS-6028TP-HTR/HTTF/HTFR	SYS-2027TR-H71RF
SYS-5018D-MTF	SYS-6028TR-D72R/DTR	SYS-2027TR-HTRF
SYS-1028GR-TR	SYS-6028TR-HTR/HTFR	SYS-2027GR-TRF
SYS-1028R-TDW	SYS-7038A-I	SYS-6027R-TRF
SYS-1028R-WTR(T)	SYS-7048A-T	SYS-7037A-I
SYS-2028GR-TR	SYS-7048GR-TR	SYS-7047GR-TRF
SYS-2028TP-DNCR/DNCTR/DNCFR	SYS-5015A-EHF-D525	
SYS-2028TP-DTR/DTRT/DTRF	SYS-5017C-MTF	FatTwin™
SYS-2028TP-HC1R/HC1TR/HC1FR	SYS-1027GR-TRF	SYS-F618R3-FT
SYS-2028TP-HTR/HTTR/HTFR	SYS-1027R-WRF	SYS-F628R3-R72B+
SYS-2028TR-H72R/H72FR	SYS-6017R-NTF	SYS-F628R3-RTB+
SYS-6018R-MT(R)	SYS-6017R-TDF	SYS-F617R3-FT
SYS-6018R-TDW	SYS-6017R-WRF	SYS-F617R2-R72+
SYS-6018R-WTR(T)	SSG-6027R-E1R12N	

Global SKUs are identified by the Global SKU logo (see above) in this document, and Global SKU part numbers are highlighted in green text throughout.

Featured Products and Solutions

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NVMe	9
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TwinPro™/Twin	75
FatTwin™	91
4-Way MP	109
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Rackmount	
New! X10 Generation: Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	13
New! Ultra	
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SYS-6018U-TR4+, SYS-6018U-TRT+, SYS-6018U-TR4T+, SYS-6018U-TRTP+	15
SYS-2028U-TR4+, SYS-2028U-TRT+, SYS-2028U-TR4T+, SYS-2028U-TRTP+	16
SYS-6028U-TR4+, SYS-6028U-TRT+, SYS-6028U-TR4T+, SYS-6028U-TRTP+	16
New! Data Center-Optimized	
6018R-TD8, 1028R-TDW	17
6018R-TDW	18
6028R-TDWN	47
New! GPU/Xeon Phi™ Supercomputing	
1028GR-TR(T)	18
1018GR-T, 5018GR-T	21
2028GR-TR(T), 2028GR-TRH(T)	46
7048GR-TR	68
New! WIO	
1028R-WC1R(T), 1028R-WTR(T), 6018R-WTR(T)	19
1018R-WC0R	20
6028R-WTR, 6028R-WTRT	46
5028R-WR	48
New! Mainstream	
6018R-MTR, 6018R-MT, 1028R-MCT, 1028R-MCTR	20-21
2028R-C1R4+/C1RT4+, 2028R-C1R/C1RT, 6028R-T/TT, 6028R-TR/TRT	47-48
7048R-TR, 7048R-TRT, 7048R-C1R, 7048R-C1RT, 7048R-C1R4+, 7048R-C1RT4+	71
New! SuperStorage	
5028R-E1CR12L, 6028R-E1CR12N, SSG-6028R-E1CR12H, 6028R-E1CR12L, 2028R-E1CR24N, 6028R-E1CR12H, 6028R-E1CR12L,	
5048R-E1CR36L, 6038R-E1CR16N, 6038R-E1CR16L, 6038R-E1CR16H, 6048R-E1CR24N, 6048R-E1CR24L, 6048R-E1CR24H,	
6048R-E1CR36N, 6048R-E1CR36L, 6048R-E1CR36H, 5048R-E1CR36L	48, 49, 64, 69, 70

1U SuperServer®

GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family series, Intel® C600 chipset with QPI up to 8GT/s	
1027GR-TRF(T)+, 1027GR-72R(T)2, 1027GR-TR(T)2	23
1027GR-TRF/TRFT, 1027GR-TSF, 1027GR-TQFT, 1027GR-TQF	24
WIO+, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
1027R-WRFT+/WRF4+, 6017R-N3RFT+/N3RF4+	25
WIO, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
1027R-WC1NRT, 1027R-WC1R(T), 1027R-72RFTP	26
1027R-72BRFTP, 6017R-72RFTP, 1027R-N3RF, 1027R-WRF, 6017R-NTF, 6017R-WRF	27, 28
Data Center-Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6017R-TDT+, 1027R-73DARF, 1027R-73DBRF, 1027R-73DAF	22, 29
6017R-TDLF(Bulk), 6017R-7TDLRF (Bulk), 6017R-TDF(Bulk)	30
6017R-TDAF, 6017R-TDF+ (Bulk)	31
Mainstream, Short-depth, Dual 8-Core Intel® Xeon® E5-2600 v2 processor series, Intel® C602J chipset	
6017R-M7UF (Bulk), 6017R-M7RF, 6017R-MTLF	31, 32
Hadoop SuperServer®, Dual 8-core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6017R-73THDP+, 6017R-73HDP+	32
UIO, Dual 12-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6017B-NTF, 6017B-URF, 1027B-URF	33
Mainstream, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6017B-MTF, 6017B-MTLF, 6017B-MTRF, 1027B-MTF	34
Mainstream, Single 8-core Intel® Xeon® E3-1200 v3 processor series, Intel® C224 chipset	
5018D-MTLN4F, 5018D-MTRF, 5018D-MTF, 5018D-MF, 1018D-73MTF	35, 36
GPU/Xeon Phi™ Supercomputing, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset	
1017GR-TF, 5017GR-TF	36, 37
WIO, Single Intel® Xeon® E5-2600 v2 processor family, Intel® C602 chipset	
5017R-WRF	37
Mainstream, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602 chipset	
1017R-MTF, 5017R-MTF, 5017R-MTRF, 5017R-MF	37, 38
Embedded, Single Intel® Atom processor series	
5018A-MLTN4, 5018A-MLHN4, 5018A-MHN4, 5017K-N6, 5017A-EF, 5017A-EP, 5018A-TN4, 5018A-FTN4	39, 43
Cold Storage SuperServer, Intel® ATOM processor C2750	
5018A-A(R/S)12L	42
Hadoop SuperServer®, Single 12-Core Intel® Xeon® E5-1200 v3 processor family, Intel® C204 chipset	
5017R-iHDP	42
SuperServer®, Single 8-Core Intel® Xeon® E3-1200 and E3-1200 v2 processor series, Intel® C200 chipset or E3-1200/1200 v2 processor	
1017C-TF, 5017C-LF, 5017C-MF, 5017C-TF	43, 44
5017C-MTF, 5017C-MTRF, 5017C-URF, 5017P-TLN4F, 5017P-TF	45

X9 2U SuperServer® and SuperStorage Systems

New! EX-DP, 32 DIMMs, Dual 15-Core Intel® Xeon® E7-8800/4800/2800 v2 processor family, Intel® C602 chipset with QPI up to 8GT/s	
2028UT-BC1NRT, 2028UT-BTNRT	51
GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
2027GR-TRFH, 2027GR-TRFHT, 2027GR-TRF(T), 2027GR-TR2, 2027GR-TRT2, 2027GR-TSF	52, 53
WIO+, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-72RFTP+, 2027R-72RFTP+, 6027R-N3RFT+ / N3RF4+, 2027R-N3RFT+/N3RF4+	53, 54
WIO, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-N3RF, 2027R-WRF, 6027R-WRF	54, 55
Data Center-Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-CDNRT+, 6027R-TDARF, 6027R-73DARF	55, 56
Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027R-3RF4+, 6027R-TRF, 6027R-72RFT, 6027R-72RFT+	56, 57, 58
SuperStorage, Dual Intel® Xeon® E5-2400 v2 processor family, Intel® C602J chipset with QPI up to 8GT/s	
2027B-DE2R24L, 2027R-AR24NV	58
SuperStorage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600J chipset with QPI up to 8GT/s	
2027R-AR24NV, 2027R-E1R24N, 027R-E1CR24L, 6027R-E1CR12N,	59
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Hyper-Speed, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6027AX-TRF, 6027AX-72RF	62
Datacenter Optimized, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6027B-TLF	63
UIO, Dual 8-Core Intel® Xeon® E5-2400 and E5-2400 v2 product families, Intel® C600 chipset with QPI up to 8GT/s	
6027B-URF	63
Mainstream, Single 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset	
5027R-WRF	63

X9 3U / Mini-Tower SuperServer®, SuperStorage, and SuperWorkstation Systems

SuperStorage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602J chipset with QPI up to 8GT/s	
6037B-DE2R16L, 6037R-E1R16N, 6037R-E1R16L	65
I/O Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6037R-TXRF	66
Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6037R-72RFT+, 6037R-72RF(T)	66
Workstations	
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X9 4U / Tower SuperServer®, SuperStorage, and SuperWorkstation Systems

Storage, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
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6047R-E1R24N, 6047R-E1R24L	75
6047R-E1R36N, 6047R-E1R36L, 6047R-E1R72L, 6047R-E1R72L2K	76, 77
Mainstream, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
7047R-TRF, 7047R-72RF, 7047R-72RFT, 7047R-3RF4+	72
I/O Optimized, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
6047R-TXRF, 7047R-TXRF	74
Hyper-speed, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
7047AX-72RF, 7047AX-TRF	127
GPU/Xeon Phi™ Supercomputing, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C602/C600 chipset with QPI up to 8GT/s	
7047GR-TPRF, 4027GR-TR(T), 7047GR-TRF	68, 72
TwinPro™/Twin Systems	
New! X10 Generation TwinPro™ Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
New! 2U TwinPro ^{2™} - 4 hot-swap nodes in 2U w/ 2.5" or 3.5" HDDs, New!	
2028TP-HC1R, 2028TP-HC1TR, 2028TP-HC1FR, 2028TP-HC0R, 2028TP-HC0TR, 2028TP-HC0FR, 2028TP-HTR, 2028TP-HTTR, 2028TP-HTFR ..	82
6028TP-HC1R, 6028TP-HC1TR, 6028TP-HC1FR, 6028TP-HC0R, 6028TP-HC0TR, 6028TP-HC0FR, 6028TP-HTR, 6028TP-HTTR, 6028TP-HTFR ..	83
New! 2U TwinPro™ - 2 hot-swap nodes in 2U w/ 2.5" HDDs	
2028TP-DC1R, 2028TP-DC1TR, 2028TP-DC1FR, 2028TP-DC0R, 2028TP-DC0TR, 2028TP-DC0FR, 2028TP-DTR, 2028TP-DTTR, 2028TP-DTFR ..	84
New! 2U TwinPro™ - 2 hot-swap nodes in 2U w/ up to 4 NVMe per Node	
2028TP-DNCR, 2028TP-DNCTR, 2028TP-DNCFR, 6028TP-DNCR, 6028TP-DNCTR, 6028TP-DNCFR	85
New! 2U CE Twin - Cost-Optimized, 2 hot-swap nodes in 2U	
6028TR-DTR, 6028TR-D72R	86
New! 2U CE Twin ² - Cost-Optimized, 4 hot-swap nodes in 2U	
6028TR-HTR, 6028TR-HTFR, 2028TR-H72R, 2028TR-H72FR	87
2U Twin, Dual 12-Core Intel® Xeon® E5-2600 v2 processor family, Intel® C600 chipset with QPI up to 8GT/s	
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6027TR-H(T/70/71)RF, 6027TR-H(T/70/71)QRF, 6027TR-H(T/70/71)FRF	93
6027TR-DT/(70/71)RF+	94
2027TR-D70RF/D70QRF/D70FRF	95
6027TR-D(T/70/71)RF, 6027TR-D(T/70/71)QRF, 6027TR-D(T/70/71)FRF	95
IU Twin	
6017TR-TF/TQF/TFF, 1027TR-TF/TQF/TFF	96
FatTwin™ Systems	
New! X10 Generation FatTwin™ Systems - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
8-Node Front I/O: F618R2-FT, F618R2-FC0, F618R3-FT	98
4-Node Front I/O: F628R3-FT, F628R3-FC0, F628R2-FC0	99
8-Node Rear I/O: F618R2-RT+, F618R2-RTPT+, F618R2-R72+, F618R2-R72PT+	100
4-Node Rear I/O: F628R3-RTB+, F628R3-RTBPT+, F628R3-R72B+, F628R3-R72BPT+	101
X9 Generation FatTwin™ Systems	
8-Node Front I/O: F617R2-FT, F617R2-F73, F617R3-FT	102
4-Node Front I/O: F627R3-FT, F627R3-F73, F627R2-F73	103
8-Node Rear I/O: F617R2-RT+, F617R2-R72+	104
4-Node Rear I/O: F627R2-RTB+, F627R2-RT+	105
4-Node Rear I/O: F627R3-RTB+, F627R3-R72B+	106
8-Node 16 DIMMs, Front I/O: F617R2-FT+, F617R2-FTPT+, F617R2-F72+, F617R3-FT+, F617R3-FTPT+,	
F627R2-FT+, F627R2-F72+, F627R2-F72PT+, F627R2-FTPT+	107-108
4-Node 16 DIMMs, Front I/O: F627R3-FT+, F627R3-F72+, F627R3-F72PT+, F627R3-FTPT+	109-110
GPU FatTwin™: F647G2-F73+, F647G2-F73PT+, F647G2-FT+, F647G2-FTPT+, F627G2-FT+, F627G2-FTPT+, F627G2-F73+, F627G2-F73PT+,	
F627G3-FT+, F627G3-FTPT+, F627G3-F73+, F627G3-F73PT+	111-113
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SuperWorkstation®	
New! X10 Generation Workstations - Intel® Xeon® E5-2600 v3 (Haswell) product family support	
New! 7038A-i, 7048A-T, 7048GR-TR	118
X9 Generation Workstations	
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Intel® Xeon® Processor E5-2600/E5-1600 v3 (Haswell) Product Families Supported

X10 Haswell Solutions

Supports up to 36 Cores • Performance Gains up to 86% • Power Savings up to 30%

- DDR4 up to 1.5TB and 2133MHz • **SAS 3.0** (12Gbps) • **NVMe**
- Quad 10GBase-T • 10G SFP+ • FDR (56Gbps) InfiniBand

Rackmount

Ultra	Storage	Datacenter Optimized
<i>NVMe, 1.5TB DDR4 Titanium Level Power</i>	<i>Large Memory / Quad LAN / 10GbE / Up to 24 DIMMs / SAS3 / Up to 7 PCI-E Slots</i>	<i>Cost-Optimized / 16 DIMMs / NVMe / 10GBase-T</i>
		
1028U-TNRT+/TNRT4+ 1028U-TR4+/TRT+/TR4T+/TRTP+ 6018U-TR4+/TRT+/TR4T+/TRTP+ 2028U-TR4+/TRT+/TR4T+/TRTP+ 6028U-TR4+/TRT+/TR4T+/TRTP+	2028R-E1CR24(N)(H)(L) / 6028R-E1CR12(N)(H)(L) 6038R-E1CR16(N)(H)(L) 6048R-E1CR24(N)(H)(L) / 2028R-E1CR36(N)(H)(L) 5028R-E1CR12L (UP) / 5048R-E1CR36L (UP) and many more...	6018R-TD8 / 6028R-TDWNR 1028R-TDW / 6018R-TDW 6027R-CDNRT+
Application Optimized	WIO	GPU/Xeon Phi™
<i>Compact / Cost-Effective / 10GBase-T / SAS3 / 7 PCI-E Slots / Feature Rich</i>	<i>Resource-Optimized / Feature Rich / Cost-Effective / UP WIO</i>	<i>Up to 6 GPU/Xeon Phi Cards Supported</i>
		
6018R-MT(R) / 1028R-MCT(R) 2028R-C1R(T) / 2028R-C1R(T)4+ 6028R-T(T) / 6028R-TR(T) 7048R-C1R(T) / 7048R-C1R(T)4+ 5018R-M(R) (UP)	1028R-WC1R(T) / 1028R-WTR(T) 5028R-WR (UP) / 6028R-WTR(T) 6018R-WTR(T) / 1018R-WC0R (UP)	1028GR-TR(T) / 2028GR-TR(T) 2028GR-TRH(T) / 7048GR-TR 1018GR-T (UP) / 5018GR-T (UP)

New Generation Haswell Serverboard Solutions



The Supermicro New Generation X10 Haswell rackmount SuperServer® systems provide the highest levels of performance, efficiency, scalability, and flexibility. They are available in a wide variety of application targeted designs including Twin, GPU/Xeon Phi™, Data Center Optimized, Resource Optimized, Mainstream Application Optimized, WIO, SuperWorkstation, and SuperStorage.

The Supermicro New Generation X10 Haswell rackmount SuperServer® systems offer up to: **1.5TB** of reg. ECC DDR4-2133MHz memory in 24 DIMMs, PCI-E 3.0, **SAS 3.0** (12Gbps) and SATA 3.0 (6Gbps) HDD support, **NVMe** SSD support, ConnectX FDR (56Gbps)/QDR InfiniBand, quad 10GBase-T, 10G SFP+, quad Gigabit Ethernet, Titanium/Platinum Level power supplies, IPMI 2.0, and support for the latest Intel® Xeon® processor **E5-2600/E5-1600 v3** product families with up to 36 cores per node and 160W TDP for best performance. These systems are supported by a wide variety of Supermicro compatible chassis in 1U, 2U, 3U/Mid-Tower, and 4U/Tower form factors. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Using these Supermicro New Generation X10 Haswell SuperServer® systems and compatible Supermicro chassis, customers can select the optimized solutions for their Data Center, Enterprise, Cloud Computing, and HPC environments to best fit their requirements.



New! 1U Ultra
1.5TB DDR4



2x NVMe Drives



New! 1U Ultra
1.5TB DDR4



New! 1U Ultra
1.5TB DDR4



MODEL	SuperServer® SYS-1028U-TNR4T+ SYS-1028U-TNRT+	SuperServer® SYS-1028U-TR4+ SYS-1028U-TRT+	SuperServer® SYS-1028U-TR4T+ SYS-1028U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Virtualization - Cloud Computing - High End Enterprise Server	- Virtualization - Cloud Computing - High End Enterprise Server	- Virtualization - Cloud Computing - High End Enterprise Server
Outstanding Features	- Flexible LAN options - Redundant power supplies 24 DIMM sockets 4 PCI-E Add-on cards 2 NVMe/SATA3 hybrid ports - Optional 8 SAS3 ports via AOC 160W CPU support - Platinum Level Power Supply 2 SATA-DOM	- Flexible LAN options 24 DIMM sockets 4 PCI-E Add-on cards - SAS3 support 160W CPU support - Platinum Level Power Supply 2 SATA DOM support with embedded power	- Flexible LAN options 24 DIMM sockets 4 PCI-E Add-on cards - SAS3 support 160W CPU support - Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5" L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-TNRT4+ : 4 10GBase-T ports; -TNRT+ : 2 10GBase-T Ethernet 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	-TR4+ : 4 GbE ports; -TRT+ : 2 10GBase-T ports; 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port	-TR4T+ : 4 10Gbase-T ports; -TRTP+ : 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 front, 1 Type A); 1 Serial Port
VGA/Audio	1VGA AST2400 VGA	1VGA AST2400 VGA	1VGA AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 hot-swap 2.5" drive support: Default 8 SATA3 ports and 2 NVMe/SATA3 hybrid ports, Optional 8 SAS3 ports, Optional 2 NVMe ports	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports, Optional 2 NVMe ports	10 hot-swap 2.5" drive bays support Default 10 SATA3 ports, Optional 8 SAS3 ports, Optional 2 NVMe ports
Peripheral Bays	N/A	N/A	N/A
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")	1U Rackmount 437 x 43 x 706.8mm (17.2" x 1.7" x 27.82")

* Please check with your Supermicro sales representative for compatibility



New! 1U Ultra
1.5TB DDR4



New! 1U Ultra
1.5TB DDR4



MODEL	SuperServer® SYS-6018U-TR4+ SYS-6018U-TRT+	SuperServer® SYS-6018U-TR4T+ SYS-6018U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Virtualization - Cloud Computing - High End Enterprise Server	- Virtualization - Cloud Computing - High End Enterprise Server
Outstanding Features	- Flexible LAN options 24 DIMM sockets 4 PCI-E Add-on cards - SAS3 support 160W CPU support - Platinum Level Power Supply 2 SATA DOM support with embedded power	- Flexible LAN options 24 DIMM sockets 4 PCI-E Add-on cards - SAS3 support 160W CPU support - Platinum Level Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER [®] X10DRU-i+	SUPER [®] X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets
Expansion Slots	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)	2 PCI-E 3.0 x 16 (FH, 10.5"L); 2 PCI-E 3.0 x 8 (1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR4+: 4 GbE ports; -TRT+: 2 10Gbase-T ports; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4T+: 4 10Gbase-T ports; -TRTP+: 2 10G SFP+ ports; 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	1VGA AST2400 VGA	1VGA AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4 hot-swap 3.5" drive bays support	4 hot-swap 3.5" drive bays support
Peripheral Bays	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	750W Platinum Level Power Supply	750W Platinum Level Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")	1U Rackmount 437 x 43 x 737.1mm (17.2" x 1.7" x 29.02")

* Please check with your Supermicro sales representative for compatibility



New! 2U Ultra

1.5TB DDR4, Titanium Level Power



New! 2U Ultra

1.5TB DDR4, Titanium Level Power



MODEL	SuperServer® SYS-2028U-TR4+ SYS-2028U-TRT+ SYS-2028U-TR4T+ SYS-2028U-TRTP+	SuperServer® SYS-6028U-TR4+ SYS-6028U-TRT+ SYS-6028U-TR4T+ SYS-6028U-TRTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Virtualization - Cloud Computing - High End Enterprise Server	- Virtualization - Cloud Computing - High End Enterprise Server
Outstanding Features	- Flexible LAN options 24 DIMM sockets 8 PCI-E Add-on cards - SAS3 support 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power	- Flexible LAN options 24 DIMM sockets 8 PCI-E Add-on cards - SAS3 support 160W CPU support 1000W Titanium Level (96%+) Power Supply 2 SATA DOM support with embedded power
Serverboard	SUPER● X10DRU-i+	SUPER● X10DRU-i+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets	Up to 1.5TB ECC DDR4 2133MT/s in 24 DIMM sockets
Expansion Slots	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)	1 PCI-E 3.0 x 16 (FH, 10.5"L); -TR4+/TRT+/TRTP+: 7 PCI-E 3.0 x 8 (5 FH, 10.5"L, 1 LP, 1 Internal LP) -TR4T+: 6 PCI-E 3.0 x 8 (4 FH, 10.5"L, 1 LP, 1 Internal LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-TR4+: 4 GbE ports; -TRT+: 2 10GbE-T ports; -TR4T+: 4 10GbE-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port	-TR4+: 4 GbE ports; -TRT+: 2 10GbE-T ports; -TR4T+: 4 10GbE-T ports; -TRTP+: 2 10G SFP+ ports 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A); 1 Serial Port
VGA/Audio	1VGA AST2400 VGA	1VGA AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 hot-swap 2.5" drive bays support; Default 10 SATA3 ports, Optional 24 SAS3 ports, Optional 4 NVMe ports	12 hot-swap 3.5" drive support; Default 10 SATA3 ports, Optional 12 SAS3 ports, Optional 4 NVMe ports
Peripheral Bays	N/A	N/A
Power Supply	1000W Titanium Level (96%+) Power Supply	1000W Titanium Level (96%+) Power Supply
Cooling System	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud	4 heavy duty fans w/ Optimal Fan Speed Control, 1 Air Shroud
Form Factor	2U Rackmount 437 x 89 x 705.3mm (17.2" x 3.5" x 27.76")	2U Rackmount 437 x 89 x 723.3mm (17.2" x 3.5" x 28.46")

* Please check with your Supermicro sales representative for compatibility

New!
Data Center Optimized

New!
Data Center Optimized



MODEL	SuperServer® SYS-6018R-TD8	SuperServer® SYS-1028R-TDW
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	• Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation	• Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation
Outstanding Features	• 650W Platinum Level High-Efficiency Power Supply • IPMI 2.0 + KVM with Dedicated LAN • Supports 16 DIMM DDR4 up to 2133MHz • Up to 3 add-on cards • 8x 3.5" & 2x 2.5" Fixed SATA Drives	• 600W Platinum Level High-Efficiency Power Supply • IPMI 2.0 + KVM with Dedicated LAN • Supports 16 DIMM DDR4 up to 2133MHz • Up to 3 add-on cards
Serverboard	SUPER● X10DDW-i	SUPER● X10DDW-i
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x8 (Full-Height, Half-Length) & 1 PCI-E 3.0 (LP)	2 PCI-E 3.0 x8 (Full-Height, Half-Length) & 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" & 2x 2.5" Fixed SATA Drives	8x 2.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)
Power Supply	650W Platinum Level high-efficiency power supply	600W Platinum Level High-Efficiency Power Supply
Cooling System	6x 40x56mm heavy duty counter-rotating fans with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



New!
Data Center Optimized



New!
1U GPU/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-6018R-TDW	SuperServer® SYS-1028GR-TR(T)
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	• Data Center • Cloud and Virtualization needs • Hosting & Application delivery • Database Processing & Storage • Simulation & Automation	• 2D/3D and CAD Applications • 3D Rendering • Astrophysics • Chemistry • Cloud and Virtualization needs • Cloud Computing • Financial Analysis • High-performance computing • Oil & Gas
Outstanding Features	• 600W Platinum Level High-Efficiency Power Supply • IPMI 2.0 + KVM with Dedicated LAN • Supports 16 DIMM DDR4 up to 2133MHz • Up to 3 add-on cards	• Supports 16 DIMM DDR4 up to 2133MHz • 4x 2.5" SATA drives • GPU health monitoring with fan speed control • Up to 3 GPU cards in 1U
Serverboard	SUPER● X10DDW-i	-TR: SUPER● X10DRG-H -TRT: SUPER● X10DRG-HT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x8 (Full-Height, Half-Length) 1 PCI-E 3.0 (LP)	4 PCI-E 3.0 x16 slots (3x GPU/XeonPhi™ opt.) 1 PCI-E 3.0 x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 2.5" hot-swap SAS/SATA drive bay
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A
Power Supply	600W Platinum Level High-Efficiency Power Supply	Redundant 1600W Platinum Level high-efficiency power supplies
Cooling System	5x 4cm heavy duty counter-rotating fans with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative for compatibility



New!
W10 1U
Optional NVMe



New!
W10 1U



New!
W10 1U



MODEL	SuperServer® SYS-1028R-WC1R(T)	SuperServer® SYS-1028R-WTR(T)	SuperServer® SYS-6018R-WTR(T)
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Disk Backup & Recovery - Downloads - e-Business - Email Server - Enterprise Server - Web Server	- Hosting - Cloud & Virtualization - VDI - Unified Communications	- Hosting - Cloud & Virtualization - VDI - Unified Communications
Outstanding Features	2 SATA DOM support with built-in power - SAS 3.0 (12Gbps) support - Supports 16 DIMM DDR4 up to 2133MHz - Up to 2 add-on cards - Redundant 700W/750W Platinum Level high efficiency power supplies - Optional two 2.5" NVMe drives support	2 SATA DOM support with built-in power - Supports 16 DIMM DDR4 up to 2133MHz - Up to 2 add-on cards - Redundant 700W/750W Platinum Level high efficiency power supplies 10x SATA3 ports	2 SATA DOM support with built-in power 2x 10GBase-T Ports - Redundant 700W/750W Platinum Level high efficiency power supplies - Supports 16 DIMM DDR4 up to 2133MHz - Up to 2 add-on cards
Serverboard	-WC1R: SUPER● X10DRW-i -WC1RT: SUPER● X10DRW-iT	-WTR: SUPER● X10DRW-i -WTRT: SUPER● X10DRW-iT	-WTR: SUPER● X10DRW-i -WTRT: SUPER● X10DRW-iT
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 (FHHL)	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards	2 PCI-E 3.0 x16 (FHHL) 1 PCI-E 3.0 x8 Mezzanine for HBA cards
Onboard Storage Controller	SAS3 LSI® 3108 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C612 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	-WC1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WC1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" SAS/SATA + 2x 2.5" SATA/ NVMe; or, 10x 2.5" hot-swap SAS/SATA/NVMe drive bay	10x 2.5" hot-swap SAS/SATA drive bay	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 700W/750W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



*Short Depth
DDR4 8x DIMMs,
Redundant Power Supplies*



*Short Depth
DDR4 8x DIMMs,*



***New!**
Short Depth, DDR4,
8x DIMMs, SAS3*



MODEL	SuperServer® SYS-6018R-MTR	SuperServer® SYS-6018R-MT	SuperServer® SYS-1028R-MCT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Data Center - Web Server - Enterprise Server - Managed Hosting	- Data Center - Web Server - Enterprise Server - Managed Hosting	- Data Center - Web Server - Enterprise Server - Managed Hosting
Outstanding Features	400W Redundant Gold Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - Short-Depth	480W Platinum Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN - Short-Depth	- IPMI 2.0 + KVM with dedicated LAN 600W Platinum Level high-efficiency power supply - Short-Depth 2x 10GBase-T Ports - LSI® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives
Serverboard	SUPER● X10DRL-i	SUPER● X10DRL-i	SUPER● X10DRL-CT
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8
Onboard Storage Controller	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual Intel® i210 single port Gigabit Ethernet LAN	Dual Intel® i210 single port Gigabit Ethernet LAN	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	8x 2.5" hot-swap SATA/SAS drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	Redundant 400W Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply	600W Platinum Level high-efficiency power supply
Cooling System	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high performance PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")

* Please check with your Supermicro sales representative for compatibility



New!
Short Depth, DDR4,
8x DIMMs, SAS3
Redundant Power Supplies



New!
UP GPU
Xeon Phi™/Tesla® Kepler Ready!



New!
UP GPU
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-1028R-MCTR	SuperServer® SYS-1018GR-T	SuperServer® SYS-5018GR-T
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Data Center - Web Server - Enterprise Server - Managed Hosting	HPC cluster computer nodes	HPC cluster computer nodes
Outstanding Features	- IPMI 2.0 + KVM with dedicated LAN - Redundant 600W Platinum Level high-efficiency power supplies - Short-Depth 2x 10GBase-T Ports - LSI® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives	1400W Platinum Level Digital Power Supply 6x 2.5" SATA drives - Cost effective UP platform - GPU health monitoring with fan speed control - IPMI 2.0 + KVM with dedicated LAN - UID LED	1400W Platinum Level Digital power supply 3x 3.5" SAS/SATA drive bays - Cost effective UP platform - GPU health monitoring with fan speed control - IPMI 2.0 + KVM with dedicated LAN - UID LED
Serverboard	SUPER● X10DRL-CT	SUPER● X10SRG-F	SUPER● X10SRG-F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller I210; Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	AST2400 VGA	Matrox G200ew graphics	Matrox G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA/SAS drive bays	6x 2.5" hot-swap SAS/SATA drive bay	3x 3.5" hot-swap SAS/SATA
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A	N/A
Power Supply	Redundant 600W Platinum Level high-efficiency power supplies	1400W Platinum Level Digital high-efficiency power supply with I²C & PMBus	1400W Platinum Level high-efficiency power supply with I²C & PMBus
Cooling System	4x 4cm high performance PWM fans with optimal fan speed control	8x 4cm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 4cm high-performance counter-rotating PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")	1U Rackmount 437 x 43 x 724mm (17.2"x1.7"x28.5")	1U Rackmount 437 x 43 x 716mm (17.2"x1.7"x28.2")

* Please check with your Supermicro sales representative for compatibility



**UP WIO
Flexible I/O
Storage Array**



**UP, Cost-Effective
Redundant / Non-Redundant
Options**



**24 DIMMs, 10GBase-T
Data Center Optimized**



MODEL	SuperServer® SYS-1018R-WC0R	SuperServer® SYS-5018R-M (shown) SYS-5018R-MR	SuperServer® SYS-6017R-TDT+
Processor Support	Single Intel® Xeon® Processor E5-2600 v3 (Haswell) product family	Single Intel® Xeon® Processor E5-2600 v3 (Haswell) product family	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- DataCenter Applications - Security - Server Appliance - Video Server - Virtualization Server - Web Server	- DataCenter Applications - Server Appliance - Mainstream Server Usage - Mission-Critical	Big Data Analytics, Cloud and Virtualization needs, Cloud Computing, Compute Intensive Application, Compute Intensive Storage Environments, Data Center, HPC, Virtualization
Outstanding Features	8x SAS3 + 2x SATA 2.5" hot-swap drive bays 2 PCI-E 3.0 x16 slots; 1 PCI-E 3.0 x8 slot - Redundant 750W 1+1 power supplies 2 Gigabit Ethernet Ports - Up to 3 add-on cards	- Redundant 400W high-efficiency power supplies w/ BBP™ module support (-MR) 350W high-efficiency power supply (-M) - Short-depth (19.8"D)	- Up to 24 DIMM, 1.5TB Memory 2x 10GBase-T Ports 600W Platinum Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER●® X10SRW-F	SUPER●® X10SRi-F	SUPER●® X9DRD-iT+
Chipset	Intel® C612 Chipset	Intel® C612 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 8x ECC/Non-ECC DDR4 R/LR/U DIMM 1333MHz/1600MHz/2133MHz(1DPC); Up to 256GB RDIMM, 512GB LRDIMM	Up to 8x ECC/Non-ECC DDR4 R/LR/U DIMM 1333MHz/1600MHz/2133MHz(1DPC); Up to 256GB RDIMM, 512GB LRDIMM	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8 (Total 3 add-on card slots)	1 x16 PCI-E 3.0 slot	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	2x GbE port, 2x USB 2.0, USB 3.0, VGA, Serial	4x USB 2.0 (front/rear), USB 3.0, VGA, Serial	Dual LAN with Intel® X540 10GBase-T Ethernet controller
VGA/Audio	AST2400 VGA	AST2400 VGA	Matrox® G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x SAS3 + 2 SATA3 hot-swap drive bays (w/ RAID option)	4x 3.5" hot-swap SATA3 bays	4x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	Optional slim optical device bay, optional FDD/USB bay	1 slim DVD-ROM drive (optional)
Power Supply	Redundant 750W Platinum Level high-efficiency power supplies	-MR: Redundant 400W high-efficiency power supplies with optional BBP™ module support -M: 350W high-efficiency power supply	600W Platinum Level high-efficiency power supply with i°C & PMBus
Cooling System	6x counter-rotating 40mm fans	4x 40mm mid-fan	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	Short-depth 1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.8")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



1U 2-GPU/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



1U 3-GPU/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



1U 3-GPUs
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-1027GR-TRF+ SYS-1027GR-TRFT+	SuperServer® SYS-1027GR-72R2 SYS-1027GR-72RT2	SuperServer® SYS-1027GR-TR2 SYS-1027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	2D/3D and CAD Applications 3D Rendering - Astrophysics - Chemistry - Cloud and Virtualization needs - Cloud Computing - Financial Analysis - High-performance computing - Oil & Gas	2D/3D and CAD Applications 3D Rendering - Astrophysics - Chemistry - Cloud and Virtualization needs - Cloud Computing - Financial Analysis - High-performance computing - Oil & Gas	2D/3D and CAD Applications 3D Rendering - Astrophysics - Chemistry - Cloud and Virtualization needs - Cloud Computing - Financial Analysis - High-performance computing - Oil & Gas
Outstanding Features	130W CPU support 16 DIMM sockets 1800W Redundant Platinum Level high-efficiency power supplies 4x 2.5" SATA drives - Up to 2 GPU/Xeon Phi™ cards in 1U	130W CPU support 16 DIMM sockets 4x 2.5" SAS/SATA drives - Up to 3 GPU/Xeon Phi™ cards in 1U - GPU/Xeon Phi™ health monitoring with fan speed control - LSI® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives	130W CPU support 16 DIMM sockets 4x 2.5" SATA drives - Up to 3 GPU/Xeon Phi™ cards in 1U - GPU health monitoring with fan speed control 1600W Redundant Platinum Level high-efficiency power supplies
Serverboard	-TRF+: SUPER® X9DRG-HF+ -TRFT+: SUPER® X9DRG-HTF+	-72R2: SUPER® X9DRG-HF+II -72RT2: SUPER® X9DRG-HTF+II	-TR2: SUPER® X9DRG-HF+II -TRT2: SUPER® X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 slots (2 GPU/XeonPhi opt.); 1 PCI-E 3.0 x8 (in x16) low-profile lot	3 PCI-E x16 slots (GPU/XeonPhi opt.); 1 PCI-E x8 (in x16) low profile slot	3 PCI-E x16 slots (GPU/XeonPhi opt.); 1 PCI-E x8 (in x16) low profile slot
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; LSI® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives	Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRFT+: Dual 10GBase-T ports with Intel® X540 controller	-72R2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -72RT2: Dual 10GBase-T ports with Intel® X540 controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox G200eW video controller	Matrox G200eW video controller	Matrox G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog
Drive Bays	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay	4x 2.5" hot-swap SAS/SATA drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	1600W Platinum Level high-efficiency redundant power supplies with iC & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	9x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")	1U Rackmount 437 x 43 x 777mm (17.2" x 1.7" x 30.6")

* Please check with your Supermicro sales representative for compatibility



1U 3-GPUs
Xeon Phi™/Tesla® Kepler Ready!

1U 3-GPUs
Xeon Phi™/Tesla® Kepler Ready!

1U 4-GPUs
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-1027GR-TRF SYS-1027GR-TRFT	SuperServer® SYS-1027GR-TSF	SuperServer® SYS-1027GR-TQF SYS-1027GR-TQFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8.0GT/s
Key Applications	Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics	Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics	Mission-critical applications, medical imaging, oil and gas simulation, quantum chemistry, financial simulation, astrophysics
Outstanding Features	- Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives - IPMI 2.0 + KVM w/ dedicated LAN - GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power	- Up to 3 GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives - IPMI 2.0 + KVM w/ dedicated LAN - GPU/Xeon Phi™ health monitoring with fan speed control 1800W Platinum Level high-efficiency power	- Up to 4 PCI-E 3.0 x16 support 4 double width GPU or Xeon Phi™ cards in 1U 4x 2.5" SATA drives - IPMI 2.0 + KVM w/ dedicated LAN - GPU/Xeon Phi™ health monitoring with fan speed control 1800W Platinum Level high-efficiency power
Serverboard	-TRF: SUPER● X9DRG-HF -TRFT: SUPER● X9DRG-HTF	SUPER● X9DRG-HF	-TQF: SUPER● X9DRG-HF -TQFT: SUPER● X9DRG-HTF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	-TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	-TQFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TQF: Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox G200eW video controller	Matrox G200eW video controller	Matrox G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays	4x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus	1800W Platinum Level high-efficiency power supply with I²C & PMBus
Cooling System	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	10x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control	12x 4cm heavy duty counter-rotating PWM fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")	1U Rackmount 437 x 43 x 787mm (17.2" x 1.7" x 31")

* Please check with your Supermicro sales representative for compatibility



WIO+

WIO+

WIO+



Rackmount

MODEL	SuperServer® SYS-1027R-WRF4+ SYS-1027R-WRFT+	SuperServer® SYS-6017R-N3RFT+	SuperServer® SYS-6017R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation
Outstanding Features	- Quad /Dual Gigabit Ethernet LAN - Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies - Eight 2.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN	- Dual Intel® 10GBase-T ports - Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN	- Quad Gigabit Ethernet LAN - Up to 3 add-on cards 700W Redundant Gold Level high-efficiency power supplies - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WRF4+: SUPER® X9DRW-3LN4F+ -WRFT+: SUPER® X9DRW-3TF+	SUPER® X9DRW-3TF+	SUPER® X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)	Right slot: 1 PCI-E 3.0 x8 (LP/4.1"L) Left slot: 1 PCI-E 3.0 x16 (FH/10"L) 1 PCI-E 3.0 x8 (FH/6.6"L)
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 4 SAS/SATA2 (3Gbps) ports; RAID 0,1,10
Connectivity	-WRF4+: Quad LAN with Intel® i350 Gigabit Ethernet controller; -WRFT+: Dual LAN with Intel® i350 Gigabit Ethernet controller; Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors;	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors Dual LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with 2x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative for compatibility



**WIO 12Gbps SAS3
HW RAID, NVMe**

**WIO
12Gbps SAS 3.0 HW RAID**

**WIO / HW SAS2 /
10GbE SFP+**



MODEL	SuperServer® SYS-1027R-WC1NR SYS-1027R-WC1NRT	SuperServer® SYS-1027R-WC1R SYS-1027R-WC1RT	SuperServer® SYS-1027R-72RFTP
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud and Virtualization needs - Compute Intensive Storage Environments - Database Applications - Data Center Applications	- Cloud and Virtualization needs - Compute Intensive Storage Environments - Front-end Server and other Computing Intensive Applications	- HPC - Compute Intensive Storage Environments - Data Center - Database Processing & Storage - Enterprise Server - Front-end Server and other Computing Intensive Applications
Outstanding Features	- Supports up to two 2.5" NVMe PCI-E SSDs 10x 2.5" SAS/SATA drive bays 16 DIMM support 2x 10GBase-T Ports - LSI® 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives	10x 2.5" SAS/SATA drive bays - LSI® 3108 controller for 8 SAS 3.0 (12Gbps) hot-swappable drives - Up to 2 add-on cards (2 full-height & half-length) 700W Redundant Gold Level high-efficiency power supplies	3 PCI-E Gen3 cards in 1U 2 10G SFP+ ports - LSI® 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives - UPS Battery Option (72BRFTP SKU only) - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-WC1NR: SUPER® X9DRW-CF31 -WC1NRT: SUPER® X9DRW-CTF31	-WC1R: SUPER® X9DRW-CF31 -WC1RT: SUPER® X9DRW-CTF31	SUPER® X9DRW-7TPF
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FH, HL); Two CPUs required to enable the PCI-E slot	2 PCI-E 3.0 x16 (FH, HL); Both CPUs need to be installed for full access to PCI-E slots	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)
Onboard Storage Controller	LSI® 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	LSI® 3108 SAS 3.0 (12Gbps) HW RAID controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache; C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1	LSI® 2208 controller for 8 SAS/SATA (6Gbps) ports; HW RAID 0, 1, 5, 6, 10, 50, 60; 1GB DDR3 cache (1333MHz)
Connectivity	-WC1NR: Dual port Intel® i350 Gigabit LAN -WC1NRT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller; 1 Realtek RTL8211E PHY (dedicated IPMI)	-WC1R: Dual port Intel® i350 Gigabit LAN -WC1RT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller;	Dual port Intel® i350 Gigabit LAN + Dual port Broadcom BCM57810S 10Gb SFP+
VGA/Audio	Matrox® G200eW graphics	Nuvoton WPCM450 BMC	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor III; Watchdog;	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap drive bays (8 SAS 3.0 and 2 NVMe/SATA3)	10x 2.5" hot-swap SAS/SATA drive bays	8x 2.5" hot-swap HDD bays
Peripheral Bays	N/A	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Cooling System	6x 4cm heavy duty counter-rotating fans	4x 40x56mm counter-rotation PWM fan; 2x fans for AOC cooling, (Total of 6 fans included)	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.6")

* Please check with your Supermicro sales representative for compatibility



**WIO / HW SAS2 /
10GbE SFP+ / BBP®**

WIO

WIO



Rackmount

MODEL	SuperServer® SYS-1027R-72BRFTP	SuperServer® SYS-6017R-72RFTP	SuperServer® SYS-1027R-N3RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- HPC - Compute Intensive Storage Environments - Data Center - Database Processing & Storage - Enterprise Server - Front-end Server and other Computing Intensive Applications	- HPC - Compute Intensive Storage Environments - Data Center - Database Processing & Storage - Enterprise Server - Front-end Server and other Computing Intensive Applications	- HPC cluster computer nodes - Datacenter - Data farm - Front-end server and other computing intensive applications
Outstanding Features	3 PCI-E Gen3 cards in 1U 2 10G SFP+ ports - LSI® 2208 controller for 8 SAS/SATA (6Gbps) hot-swappable drives - UPS Battery Option (72BRFTP SKU only) - IPMI 2.0 + KVM with dedicated LAN	3 PCI-E Gen3 cards in 1U 2 10G SFP+ ports - LSI® 2208 controller for 4 SAS/SATA (6Gbps) hot-swappable drives - IPMI 2.0 + KVM with dedicated LAN 700W Redundant Gold Level high-efficiency power supplies	- Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 10x 2.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN - UID LED
Serverboard	SUPER● X9DRW-7TPF	SUPER● X9DRW-7TPF	SUPER● X9DRW-3F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)	Right slot: 1 PCI-E x8 (LP/6.6"L) Left slot: 1 PCI-E x16 (FH/6.6"L) 1 PCI-E x16 (FH/10"L)	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)
Onboard Storage Controller	LSI® 2208 controller for 8 SAS/SATA (6Gbps) ports; HW RAID 0, 1, 5, 6, 10, 50, 60; 1GB DDR3 cache (1333MHz)	LSI® 2208 controller for 4 SAS/SATA (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz)	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	Dual port Intel® i350 Gigabit LAN + Dual port Broadcom BCM57810S 10Gb SFP+	Dual port Intel® i350 Gigabit LAN + Dual port Broadcom BCM57810S 10Gb SFP+	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap HDD bays	4x 3.5" hot-swap HDD bays	10x 2.5" hot-swap SAS/SATA drive bays
Peripheral Bays	Front side USB	1 slim DVD-ROM drive (optional)	N/A
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus; Additional two 200W Battery Backup Power Modules	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I²C & PMBus
Cooling System	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control	6x 4cm heavy duty PWM counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 676mm (17.2" x 1.7" x 26.9")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility



WIO



WIO



WIO



MODEL	SuperServer® SYS-1027R-WRF	SuperServer® SYS-6017R-NTF	SuperServer® SYS-6017R-WRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- HPC cluster computer nodes - Datacenter - Data farm - Front-end server and other computing intensive applications	Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation	Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	- Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies 8x 2.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN - UID LED	16 DIMM sockets 600W Platinum Level power supplies - Up to 2 add-on cards - IPMI 2.0 + KVM with dedicated LAN	- Up to 2 add-on cards 700W Redundant Gold Level high-efficiency power supplies - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DRW-iF	SUPER [®] X9DRW-iF	SUPER [®] X9DRW-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 2 PCI-E 3.0 x16 (2 FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)	Left slot: 2 PCI-E 3.0 x16 (FH/6.6"L)
Onboard Storage Controller	Ready for SAS or SATA add-on card	Intel® C602 controller for 4 SATA2 (3Gbps) or 2 SATA3 + 2 SATA2 ports; RAID 0,1,10	Ready for SAS or SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® III, Watch Dog
Drive Bays	8x 2.5" hot-swap SAS/SATA drive bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus	600W Platinum Level high-efficiency power supply with I ² C & PMBus	700W Redundant Gold Level high-efficiency power supplies with I ² C & PMBus
Cooling System	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	5x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility



Data Center Optimized



Data Center Optimized



Data Center Optimized



MODEL	SuperServer® SYS-1027R-73DARF	SuperServer® SYS-1027R-73DBRF	SuperServer® SYS-1027R-73DAF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments
Outstanding Features	700W Redundant Gold Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	700W Redundant Gold Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	560W Gold Level high-efficiency - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DRD-7LN4F	SUPER [®] X9DRD-7LN4F	SUPER [®] X9DRD-7LN4F
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8
Onboard Storage Controller	LSI® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10	LSI® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10 Intel® C602J controller for 2 SATA3 (6Gbps) ports; RAID 0, 1	LSI® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10
Connectivity	Quad LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Intel® i350 Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" hot-swap SATA/SAS HDD bays	10x 2.5" hot-swap SATA/SAS HDD bays	8x 2.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	N/A	1 slim DVD-ROM drive (optional)
Power Supply	700W Redundant Gold Level high-efficiency power supplies	700W Redundant Gold Level high-efficiency power supplies	560W Gold Level high-efficiency power supply
Cooling System	6x 40x56mm counter-rotating PWM fans with optimal fan speed control	6x 40x56mm counter-rotating PWM fans with optimal fan speed control	6x 40x56mm counter-rotating PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")	1U Rackmount 437 x 43 x 597mm (17.2" x 1.7" x 23.5")

* Please check with your Supermicro sales representative for compatibility



*Data Center Optimized
Cost Effective*



*Data Center Optimized
Cost Effective*



*Data Center Optimized
Cost Effective*



MODEL	SuperServer® SYS-6017R-TDLF (Bulk*)	SuperServer® SYS-6017R-TDLRF (Bulk*)	SuperServer® SYS-6017R-TDF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	• Data Center • HPC • Web Server • Enterprise Server	• Data Center • HPC • Web Server • Enterprise Server	• Data Center • HPC • Web Server • Enterprise Server
Outstanding Features	• 350W Gold Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN • Cost Effective	• 500W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN • Cost Effective	• 480W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN • Cost Effective
Serverboard	SUPER [®] X9DRD-LF	SUPER [®] X9DRD-LF	SUPER [®] X9DRD-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" hot-swap SATA HDD bays	2x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	350W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply with I ² C & PMBus
Cooling System	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control	2x blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")

* Please check with your Supermicro sales representative for compatibility

† Bulk Package options available upon request



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Mainstream Short-Depth



MODEL	SuperServer® SYS-6017R-TDAF	SuperServer® SYS-6017R-TDF+ (Bulk*)	SuperServer® SYS-6017R-M7UF (Bulk*)
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• Data Center • HPC • Web Server • Enterprise Server	• Data Center • HPC • Web Server • Enterprise Server	• Data Center • Web Server • Enterprise Server
Outstanding Features	• 600W Platinum Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN	• 600W Gold Level high-efficiency power supply • IPMI 2.0 + KVM with dedicated LAN	• 400W Gold Level high-efficiency power supply • Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy • IPMI 2.0 + KVM with dedicated LAN • Short-Depth
Serverboard	SUPER [®] X9DRD-iF	SUPER [®] X9DRD-EF	SUPER [®] X9DRL-7F
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602J controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Intel® i210 Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Platinum Level high-efficiency power supply with I ² C and PMBus	600W Gold Level high-efficiency power supply with PFC	400W Gold Level high-efficiency power supply; Option for BBP® (PWS-206B-1R) or 2nd power supply for redundancy.
Cooling System	4x 4cm fans with optimal fan speed control	2x blower fans with optimal fan speed control 1x 40 x 28mm 13K RPM 4-pin fan	5x 4cm high performance PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")

* Please check with your Supermicro sales representative for compatibility



**Mainstream
Short-Depth**



**Mainstream
Short-Depth**



**Big Data
Cost Effective High Density
DataNode**



MODEL	SuperServer® SYS-6017R-M7RF	SuperServer® SYS-6017R-MTLF	SuperServer® SYS-6017R-73THDP+ SYS-6017R-73HDP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 product family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to dual 8.0GT/s
Key Applications	- Data Center - Web Server - Enterprise Server	- Data Center - Web Server - Enterprise Server	Big Data Analytics
Outstanding Features	400 Redundant Gold Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN - Short-Depth	480W Platinum Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN - Short-Depth	12x 3.5" data drives in 1U 16 DIMM sockets - Cost optimized - High-density, Enterprise Performance, Cost-effective
Serverboard	SUPER [®] X9DRL-7F	SUPER [®] X9DRL-EF	-73THDP+: SUPER [®] X9DRFF-7TG+ -73HDP+: SUPER [®] X9DRFF-7G+
Chipset	Intel® C602J chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x8	1 PCI-E 3.0 x8	1x PCI-E 2.0 x4 (in x8, half-height) slot
Onboard Storage Controller	LSI 2208 controller for 4 SATA/SAS (6Gbps) ports; RAID 0, 1, 10	Intel® C602J controller for 2 SATA (6Gbps) ports; RAID 0, 1 2 SATA (3Gbps) ports; RAID 0, 1, 5, 10	LSI® 2308 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) RAID 0,1,5,10;
Connectivity	Intel® i210 Dual Port Gigabit Ethernet LAN	Intel® i210 Dual Port Gigabit Ethernet LAN	-73THDP+: Dual Intel® X540 10GBase-T Ethernet Controller -73HDP+: Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA/SAS HDD bays	4x 3.5" hot-swap SATA HDD bays	12x 3.5" fixed drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	480W Platinum Level high-efficiency power supply	650W high-efficiency power supply w/ PMBus
Cooling System	5x 4cm high performance PWM fans with optimal fan speed control	5x 4cm high performance PWM fans with optimal fan speed control	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")	1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")	1U Rackmount 17.2" (437mm) x 1.7" (43mm) x 35.75" (908mm)

* Please check with your Supermicro sales representative for compatibility



UIO



UIO



UIO



MODEL	SuperServer® SYS-6017B-NTF	SuperServer® SYS-6017B-URF	SuperServer® SYS-1027B-URF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	• HPC Cluster Computer • Data Center • Front-end Server	• HPC Cluster Computer • Data Center • Front-end Server	• HPC Cluster Computer • Data Center • Front-end Server
Outstanding Features	• 384GB DDR3-1600 MHz SDRAM • 12 DIMM sockets • 600W Gold Level power supply	• 384GB DDR3-1600 MHz SDRAM • 12 DIMM sockets • 500W Redundant Platinum Level power supply	• 384GB DDR3-1600 MHz SDRAM • 12 DIMM sockets • 500W Redundant Platinum Level power supply
Serverboard	SUPERMICR® X9DBU-iF	SUPERMICR® X9DBU-iF	SUPERMICR® X9DBU-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 384GB of ECC 1600 SDRAM in 12 DIMM sockets	Up to 384GB of ECC 1600 SDRAM in 12 DIMM sockets	Up to 384GB of ECC 1600 SDRAM in 12 DIMM sockets
Expansion Slots	2 PCI-E 3.0 x8 (1 FH/13.5"L, 1 FH/6.6"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)	1 UIO, 1 PCI-E 3.0 x8 (FH/13.5"L)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Ready for SAS or SATA add-on card	Ready for SAS or SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SAS/SATA drive bays (Optional SAS controller card)	8x 2.5" hot-swap SATA drive bays (optional SAS controller card)
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	600W Gold Level high-efficiency power supply	500W Redundant Platinum Level high-efficiency power supplies	500W Redundant Platinum Level high-efficiency power supplies
Cooling System	2x 97L x 94W x 37H mm 5K rpm cooling blower	4x counter-rotating 4cm PWM fans	4x counter-rotating 4cm PWM fans
Form Factor	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 650mm (17.2"x1.7"x25.6")	1U Rackmount 437 x 43 x 597mm (17.2"x1.7"x23.5")

* Please check with your Supermicro sales representative for compatibility



**Mainstream
Short-Depth**



**Mainstream
Short-Depth**



**Mainstream
Short-Depth**



MODEL	SuperServer® SYS-6017B-MTF SYS-6017B-MTLF	SuperServer® SYS-6017B-MTRF	SuperServer® SYS-1027B-MTF
Processor Support	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s
Key Applications	- Data Center - Web Server - Enterprise Server	- Data Center - Web Server - Enterprise Server	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments
Outstanding Features	440W Platinum Level / 350W Gold Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN - Cost Effective - Short-Depth	400W Redundant Gold Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - Cost Effective - Short-Depth	600W Platinum Level Digital high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN - Cost Effective - Short-Depth
Serverboard	SUPERMICRO® X9DBL-iF	SUPERMICRO® X9DBL-iF	SUPERMICRO® X9DBL-iF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM sockets	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM sockets	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM sockets
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN	Intel® 82574L Dual Port Gigabit Ethernet LAN
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA HDD bays	4x 3.5" hot-swap SATA HDD bays	8x 2.5" hot-swap SATA HDD bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	-MTF: 440W Platinum Level high-efficiency power supply with I²C and PMBus -MTLF: 350W Gold Level high-efficiency power supply	400W Redundant Gold Level high-efficiency power supplies with I²C and PMBus	600W Platinum Level Digital high-efficiency power supply with I²C and PMBus
Cooling System	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high performance PWM fans with optimal fan speed control	4x 4cm high-efficiency PWM fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2 x 1.7 x 19.8)	1U Rackmount 437 x 43 x 503mm (17.2 x 1.7 x 19.8)	1U Rackmount 437 x 43 x 508mm (17.2 x 1.7 x 19.8)

* Please check with your Supermicro sales representative for compatibility



**Mainstream
High-Connectivity with
Quad LAN**



**Mainstream
Reliable
Redundant Performance**



**Mainstream
Reliable Performance
UP**



MODEL	SuperServer® SYS-5018D-MTLN4F	SuperServer® SYS-5018D-MTRF	SuperServer® SYS-5018D-MTF
Processor Support	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium®, Celeron® processors; Single socket H3 (LGA 1150) supports	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium®, Celeron® processors; Single socket H3 (LGA 1150) supports	Single Intel® Xeon® E3-1200 v3, 4th Gen Core i3 (Haswell-DT, LGA 1150), up to 4C/8T
Key Applications	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments	- Data Center - HPC - Enterprise Server - Compute Intensive Storage Environments
Outstanding Features	350W Gold Level high-efficiency power supply 4x 3.5" SATA drives - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN - Optimized for server appliance - Quad Gigabit Ethernet LAN - SATA 3.0 (6Gbps) support	400W Redundant high-efficiency power supply w/ optional BBP® module 4x 3.5" SATA drives - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN - Optimized for server appliance - Dual Gigabit Ethernet LAN 4x SATA 3.0 (6Gbps) support	4x 3.5" SATA drives - Cost effective UP platform - Four 3.5" SAS/SATA drive bays - IPMI 2.0 + KVM with dedicated LAN - Optimized for server appliance - Dual Gigabit Ethernet LAN 4x SATA 3.0 (6Gbps) support
Serverboard	SUPER● X10SLM+-LN4F	SUPER● X10SLM-F	SUPER● X10SLM-F
Chipset	Intel® C224 chipset	Intel® C224 chipset	Intel® C224 chipset
System Memory (Max.)*	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 sockets	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 sockets	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 sockets
Expansion Slots	1 PCI-E 3.0 x16 FH expansion slot	1 PCI-E 3.0 (x8 in 16) FH expansion slot	1 PCI-E 3.0 (x8 in 16) FH expansion slot
Onboard Storage Controller	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	Quad LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® Ethernet Controller i210AT + i217LM	Dual LAN with Intel® Ethernet Controller i210AT + i217LM
VGA/Audio	Aspeed AS2400 BMC Optional front bezel cover	Aspeed AS2400 BMC Supports BBP® module Optional front bezel cover	Aspeed AS2400 BMC Optional front bezel cover
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" SATA3 Hot-swap Bays w/ RAID options	4x 3.5" SATA3 hot-swap bays w/ RAID options	4x 3.5" SATA3 hot-swap bays w/ RAID options
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	350W Gold Level high-efficiency power supply	400W Redundant w/ optional BBP® module	350W Gold Level high-efficiency power supply
Cooling System	4x 28mm fans standard (with option for additional fans for add-on card)	4x 28mm fans standard (with optional for additional fan for add-on card)	4x 28mm high performance PWM fan; Optional 1x fan for PCI card cooling, 4x 28mm fans standard (with option for additional fans to cool add-on card)
Form Factor	1U Rackmount 437x 43 x 503mm (17.2 x 1.7 x 19.8")	1U Rackmount 437x 43 x 503mm (17.2 x 1.7 x 19.8")	1U Rackmount 437x 43 x 503mm (17.2 x 1.7 x 19.8")

* Please check with your Supermicro sales representative for compatibility



**Mainstream
Cost-Effective
Compact Server Appliance
UP**



**Mainstream
Storage UP, SAS2**



**UP GPU
Xeon Phi™/Tesla® Kepler Ready!**



MODEL	SuperServer® SYS-5018D-MF	SuperServer® SYS-1018D-73MTF	SuperServer® SYS-1017GR-TF
Processor Support	Single Intel® Xeon® E3-1200 v3, 4th gen. Core i3, Pentium, Celeron processors ; Single socket H3 (LGA 1150) supports	Single Intel® Xeon® E3-1200 v3, 4th Gen Core i3 (Haswell-DT, LGA 1150), up to 4C/8T	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads - e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery - Industrial Automation & Control, Instrumentation, Large Database	- Automation, Cloud and Virtualization needs, Cloud Computing, Corporate Database, Corporate- WINS, DNS, Print, Login, Data Center, Data Farm, Data Warehouse, Database Processing & Storage, Disk Backup & Recovery, Downloads - e-Business, Email Server, Embedded Applications, Engineering Design, Hosting & Application delivery - Industrial Automation & Control, Instrumentation, Large Database	- GPU Server - Mission-critical applications - Enterprise server - Oil & gas applications - Financial, 3D rendering, chemistry applications - HPC, and medical applications
Outstanding Features	350W Gold Level high-efficiency power supply Compact size chassis Cost effective UP platform	330W Gold Level high-efficiency power supply 8x 2.5" SAS/SATA drives Compact size chassis Cost effective UP storage platform	Up to 2 GPU cards in 1U 6x 2.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X10SLL-F	SUPER● X10SL7-F	SUPER● X9SRG-F
Chipset	Intel® C222 chipset	Intel® C222 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 sockets	Up to 32GB DDR3 ECC 1600 MHz UDIMMs in 4 sockets	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	1 (x8 in 16) PCI-E 3.0 Full-Height Expansion Slot	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	2x 3.5" fixed SATA3 w/ RAID options	LSI® 2308 with 8x SAS 6Gbps; RAID 0, 1, 1E, 10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® Ethernet Controller i210AT + i217LM	Dual LAN with Intel® Ethernet Controller i210AT	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	1x VGA port from BMC 4x USB 2.0 DOM power connector Supports 2.5" HDD/SSD via optional bracket	1x VGA from BMC DOM power connector Optional front bezel cover; LCD option	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA3 w/ RAID options	8x 2.5" SAS2/SATA3 Hot-swap Bays w/ RAID option	6x 2.5" hot-swap SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	N/A
Power Supply	350W Gold Level high-efficiency power supply	330W Gold Level high-efficiency power supply	1400W Platinum Level Digital high-efficiency power supply with I²C & PMBus
Cooling System	2x 4cm counter-rotating PWM fan; Dual counter-rotating fans	3x 40x28mm PWM fan; 1x fans for AOC cooling	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 396mm (17.2" x 1.7" x 14.5")	1U Rackmount 437 x 43 x 507mm (17.2" x 1.7" x 19.98")	1U Rackmount 437 x 43 x 724mm (17.2" x 1.7" x 28.5")

* Please check with your Supermicro sales representative for compatibility



UP GPU
Xeon Phi™/Tesla® Kepler Ready!



UP WIO



Mainstream



MODEL	SuperServer® SYS-5017GR-TF	SuperServer® SYS-5017R-WRF	SuperServer® SYS-1017R-MTF
Processor Support	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• GPU Server • Mission-critical applications • Enterprise server • Oil & gas applications • Financial, 3D rendering, chemistry applications • HPC, and medical applications	• Connectivity/storage computer nodes • Datacenter • Data farm, • Front-end server and other computing intensive applications	• HPC cluster computer nodes • Datacenter • Data farm • Front-end server and other computing intensive applications
Outstanding Features	Up to 2 GPU cards in 1U 3x 3.5" SATA drives 1400W Platinum Level Digital high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN	500W Redundant Platinum Level high-efficiency power supplies IPMI 2.0 + KVM with dedicated LAN	330W Gold Level high-efficiency power supply IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9SRG-F	SUPER● X9SRW-F	SUPER● X9SRi-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 support 2 double width GPU cards 1 PCI-E 3.0 x8 (low-profile)	2 PCI-E 3.0 x16 1 PCI-E 3.0 x8 (low-profile)	1 PCI-E 3.0 x16
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 1 SATA2 (3Gbps) ports; RAID 0,1,5	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1,10; RAID 0,1,5,10 (Windows) 2 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 (Windows)
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	3x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	8x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)
Power Supply	1400W Platinum Level Digital high-efficiency power supply with iC & PMBus	500W Redundant Platinum Level high-efficiency power supplies with PMBus	330W Gold Level high-efficiency power supply
Cooling System	8x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	3x 4cm heavy duty counter-rotating fans with optimal fan speed control	3x 4cm fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 716mm (17.2" x 1.7" x 28.2")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	1U Rackmount 437 x 43 x 508mm (17.2" x 1.7" x 19.98")

* Please check with your Supermicro sales representative for compatibility



Mainstream



UP



New!
WIO
Short Depth
3 add-on cards



MODEL	SuperServer® SYS-5017R-MTF SYS-5017R-MTRF	SuperServer® SYS-5017R-MF	SuperServer® SYS-1017R-WR
Processor Support	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Intel® Romley-EP LGA2011 Socket R2 E5-2600 /1600 v2 family
Key Applications	- HPC cluster computer nodes - Datacenter - Data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter - Data farm - Front-end server and other computing intensive applications	GPU Computing
Outstanding Features	- IPMI 2.0 + KVM with dedicated LAN -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™))	350W Gold Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	- Up to 3 add-on cards - Full Height, Full Length Double-Width GPU support
Serverboard	SUPER● X9SRi-F	SUPER● X9SRi-F	SUPER● X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC DDR3,LRDIMM up to 1866MHz 8x DIMM sockets
Expansion Slots	1 PCI-E 3.0 x16	1 PCI-E 3.0 x16	2 x16 PCI-E 3.0, 1 x8 PCI-E 3.0 slot Full Height, Full Length Double-Width GPU support
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1	N/A
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	4x USB 2.0 (rear), Serial 2x GbE port
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	VGA
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Dedicated IPMI 2.0 via BMC
Drive Bays	4x 3.5" hot-swap SATA drive bays	1x 3.5" fixed (or 2x 2.5" fixed with bracket, optional)	2x 2.5" internal fixed SATA3 bays w/ RAID
Peripheral Bays	1 slim DVD ROM (optional)	1 slim DVD ROM (optional)	N/A
Power Supply	-MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R))	350W Gold Level high-efficiency power supply	Redundant 400W Gold Level power w/ BBP® option
Cooling System	4x 4cm fans with optimal fan speed control	2x 4cm fans with optimal fan speed control	4x 40mm cooling fans + 2x AOC cooling fans
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.55")	1U Rackmount Short-depth 437 x 43 x 429mm (17.2" x 1.7" x 16.9")

* Please check with your Supermicro sales representative for compatibility



**Embedded
Compact server appliance**



**Embedded
Low Power**



**Embedded
Low Power
Front I/O**



Rackmount

MODEL	SuperServer® SYS-5017K-N6	SuperServer® SYS-5018A-TN4	SuperServer® SYS-5018A-FTN4
Processor Support	Single socket FCBGA 1284; Intel® Pentium® B915C processor (15W, 1.5GHz, 3M, Gladden)	Intel® Atom™ Processor C2750	Intel® Atom™ Processor C2758
Key Applications	- Space-efficient, compact design - Fast to build and deploy - Gateway, file-sharing, security	- Application and data serving, Automation, Cloud and Virtualization needs - Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security - SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business	- Application and data serving, Automation, Cloud and Virtualization needs - Corporate- WINS, DNS, Print, Login, e-Business, Embedded Applications, Hosting & Application delivery, Industrial Automation & Control, NAS Servers, Security - SOHO Entry-Level Server, Web Server, Web Server for Small and Medium Business
Outstanding Features	- Single socket FCBGA 1284; Intel® Pentium® B915C processor (15W, 1.5GHz, 3M, Gladden) - Intel® Communication Chipset 8903 200W Low-noise power supply w/ PFC	1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives - Compact size chassis, cost-effective UP platform - IPMI 2.0 + KVM with dedicated LAN - Optimized for small business	1 PCI-E x8 slot 200W Low-Noise power supply 4x 2.5" SATA drives - Compact size chassis, cost-effective UP platform - IPMI 2.0 + KVM with dedicated LAN - Optimized for small business - Front I/O and Support Intel® QuickAssist Acceleration Technology
Serverboard	SUPER● X9SKV-B915	SUPER● A1SAi-2750F	SUPER● A1SRi-2758F
Chipset	Intel® Communication Chipset 8903	System on Chip	System on Chip
System Memory (Max.)*	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM sockets	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM sockets	Up to 32GB ECC DDR3 1600/1333MHz SODIMM in 4 DIMM sockets
Expansion Slots	1x PCI-E 2.0 x8 slot via riser	1x PCI-E 2.0 x8 slot via riser card	1x PCI-E 2.0 x8 slot via riser card
Onboard Storage Controller	SoC SATA2 (3Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps)
Connectivity	Dual port GbE LAN with 2 Intel® i210AT; Intel® i350AM4 quad port Programmable GbE LAN Bypass	Quad LAN with Marvell® Alaska® 88E1543	Quad LAN with Marvell® Alaska® 88E1543
VGA/Audio	5x USB 2.0 ports (2 rear, 4 via header, one Type A)	1 VGA, 1 Aspeed AST2400 BMC 4x USB3.0, 2 x USB2.0,	1 VGA, 1 Aspeed AST2400 BMC 4x USB3.0, 2 x USB2.0,
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed; or 2.5" via optional bracket;	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)	2x 3.5" fixed HDD (no expansion slot), or 1x 3.5" fixed HDD (low profile slot only), or 4x 2.5" fixed HDD (no expansion slot), or 2x 2.5: fixed HDD (full height and half length)
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC	200W Low-Noise AC-DC power supply with PFC
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	Built-in CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")

* Please check with your Supermicro sales representative for compatibility



**Embedded
Compact server appliance**



**AVOTON Solution
Best for Entry Web Hosting
Low Power**



MODEL	SuperServer® SYS-5017A-EF	SuperServer® SYS-5018A-MLTN4
Processor Support	Single Atom S1260 (Centerton) SoC, 8.5W, 2C/4T	Intel® Atom™ Processor C2550
Key Applications	Embedded Applications	- Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications - e-Business, Enterprise Server - FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance - Virtualization Server - Web Server, Web Server for Small and Medium Business
Outstanding Features	- Compact size chassis - Cost effective UP platform - SATA 3.0 (6Gbps) support - Short-depth, space saving design	1 PCI-E x8 slot 2 Internal 3.5" SATA drive bays 200W low-power supply - Compact size chassis - Cost effective UP platform - IPMI 2.0 + KVM with dedicated LAN - SATA 3.0 (6Gbps) support - Short-depth, space saving design
Serverboard	SUPERMICR® X9SBAA-F	SUPERMICR® A1SAM-2550F
Chipset	System on Chip	System on Chip chipset
System Memory (Max.)*	Up to 8GB of single SODIMM Socket ECC DDR3-1333	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1x PCI 32-bit 3.3V	1 PCI-E 2.0 x8 (FH/HL)
Onboard Storage Controller	N/A	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);
Connectivity	Dual LAN with Intel® Ethernet Controller i350-AM2	Quad LAN with SoC
VGA/Audio	Matrox G200eW 2 Fast UART 16550 Serial Port (1 via header and 1 at rear) DOM power connector support 1x VGA Port Others TPM 1.2 header 2x USB 3.0 ports (2 rear)	1 VGA, 1 Aspeed AST2400 BMC
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog
Drive Bays	2x 3.5" fixed or 4x 2.5" fixed SATA3 (optional)	2x 3.5" internal drive bays
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	1x 10cm 3,800 RPM PWM blower fan
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U rackmount 426x 43 x 356mm (16.8 " x 1.7" x 14")

* Please check with your Supermicro sales representative for compatibility



**AVOTON Solution
Mainstream
4-Core Atom**



**8-Core Atom Rangeley
Embedded
(QuickAssist)**



MODEL	SuperServer® SYS-5018A-MLHN4	SuperServer® SYS-5018A-MHN4
Processor Support	Intel® Atom™ Processor C2550	Intel® Atom™ Processor C2758
Key Applications	- Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications - e-Business, Enterprise Server - FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance - Virtualization Server - Web Server, Web Server for Small and Medium Business	- Cloud and Virtualization needs, Cloud Computing, Corporate- WINS, DNS, Print, Login, Data Center, Database Applications, DataCenter Applications - e-Business, Enterprise Server - FireWall Applications, Gateway, provisioning servers, High End Enterprise Server, Server Appliance - Virtualization Server - Web Server, Web Server for Small and Medium Business
Outstanding Features	1 PCI-E x8 slot 200W low-power supply 4 hot-swap 3.5" SATA/SAS Drive Bays - IPMI 2.0 + KVM with dedicated LAN - Optimized for Power Saving and Improved Cooling - SATA 3.0 (6Gbps) support	1 PCI-E x8 slot 200W low-power supply 4 hot-swap 3.5" SATA/SAS Drive Bays - IPMI 2.0 + KVM with dedicated LAN - Optimized for Power Saving and Improved Cooling - SATA 3.0 (6Gbps) support
Serverboard	SUPERMICRO® A1SAM-2550F	SUPERMICRO® A1SRM-2758F
Chipset	System on Chip chipset	System on Chip chipset
System Memory (Max.)*	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x8 (FH/HL)	1 PCI-E 2.0 x8 (FH/HL)
Onboard Storage Controller	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps)	SoC controller for 4 SATA2 (3Gbps) ports; RAID 2 SATA3 (6Gbps);
Connectivity	Quad LAN with SoC	Quad LAN with Intel® C2000 SoC;
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC	1 VGA, 1 Aspeed AST2400 BMC
Management	IPMI2.0; NMI; SuperDoctor V; Watchdog	IPMI2.0; NMI; SuperDoctor V; Watchdog
Drive Bays	4x 3.5" hot-swap SAS/SATA	4x 3.5" hot-swap SAS/SATA
Power Supply	200W Low Noise AC-DC power supply with PFC	200W Low Noise AC-DC power supply with PFC
Cooling System	2x 4cm high performance PWM fan	2x 4cm high performance PWM fan
Form Factor	1U rackmount 437 x 43 x 503mm(17.2 " x 1.7" x 19.85")	1U rackmount 437 x 43 x 503mm(17.2 " x 1.7" x 19.85")

* Please check with your Supermicro sales representative for compatibility



Cold Storage



Big Data Cost-Effective High-Density DataNode



MODEL	SuperServer® SSG-5018A-A(R/S)12L	SuperServer® SSG-5017R-iHDP
Processor Support	Intel® Atom™ Processor C2750	Single Intel® 2nd & 3rd Generation Core™ i3 series Intel® Celeron®, Pentium®, E3-1200/E3-1200 v2 series in LGA 1155 socket
Key Applications	Storage Nodes	- Big Data Analytics - Unstructured Data Storage
Outstanding Features	- Hardware Drive Power Control 1 PCI-E 2.0 x4 (in x8 slot) 12x 3.5" data drives in 1U - Cost optimized - RAID: IT Mode only	12x 3.5" data drives in 1U - Cost optimized - High-density, Enterprise Performance, Cost-effective 650W Platinum Level high-efficiency power supply
Serverboard	SUPER● A1SA7-2750F	SUPER● X9SCFF-F
Chipset	System on Chip chipset	Intel® C204 PCH chipset
System Memory (Max.)*	Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots, x8 data width	Up to 32GB Unbuffered ECC; in 4 DIMM sockets
Expansion Slots	1 PCI-E 2.0 x4 (LP, HL, in x8 slot)	1 PCI-E 3.0 x8 (LP)
Onboard Storage Controller	IT Mode	Intel® C204 AHCI controller for 4 SATA2 (3Gbps) ports; 2 SATA3 (6Gbps) for RAID 0,1,5,10
Connectivity	Dual LAN with SoC	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	1 VGA, 1 Aspeed AST2400 BMC;	BMC integrated Matrox G200
Management	IPMI2.0; NMI; SuperDoctor® 5; Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	SATADOM for OS drive	12x 3.5" drive bay
Peripheral	N/A	N/A
Power Supply	400W Redundant Gold Level high-efficiency power supplies	650W Platinum Level high-efficiency power supply
Cooling System	6x 40x28mm PWM fan;	4x 40x56mm PWM fan; 4x 40x28mm PWM fan
Form Factor	1U Rackmount 437 x 43 x 813mm (17.2" x 1.7" x 32")	1U Rackmount 437 x 43 x 908mm (17.2" x 1.7" x 35.75")

* Please check with your Supermicro sales representative for compatibility



**Embedded Compact server or standalone appliance
with Mini PCI-E UP**



Mainstream



MODEL	SuperServer® SYS-5017A-EP	SuperServer® SYS-1017C-TF
Processor Support	Single Intel® Atom™ N2800 (2 Core) processor support, NM10 bridge	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
Key Applications	• Embedded Applications • Hosting & Application delivery • Industrial Automation & Control	• Cloud and other virtualization needs • Hosting & application delivery • Database processing & storage, simulation • Automation
Outstanding Features	• Compact size chassis • Cost effective UP platform • SATA 2.0 support • Short-depth, space saving design	• Higher I/O performance & low-TCO mainstream server • Four 2.5" SATA drive bays • 1 PCI-E x8 slot • IPMI 2.0 + KVM with dedicated LAN • 330W Gold Level high-efficiency power supply
Serverboard	SUPER● X9SCAA	SUPER● X9SCL-F
Chipset	Intel® NM10 Express chipset	Intel® C202 PCH chipset
System Memory (Max.)*	Up to 4GB of Non-ECC DDR-1066 in 2 DIMM sockets	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets
Expansion Slots	1x 32-bit PCI slot (5.0V) 1x Mini-PCI-E with mSATA	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® NM10 Express controller for 2 SATA2 (3Gbps) ports	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)
Connectivity	Dual LAN with Intel® 82574L Ethernet Controller	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Integrated Intel® GMA 3650 7.1 HD Audio 2x USB 3.0 ports (2 rear) 6x USB 2.0 ports (2 rear) HDMI, Display Port, VGA, LVDS Serial Port / Header 4x COM ports in headers (1 w/RS422/485) TPM 1.2 header	Nuvoton Graphics
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	2x 3.5" fixed SATA2 HDDs; 2x 2.5" HDDs (optional)	4x 2.5" hot-swap SATA drive bays
Peripheral	N/A	1 slim DVD-ROM drive (optional)
Power Supply	200W Low Noise AC-DC power supply with PFC	330W Gold Level high-efficiency power supply
Cooling System	Built-in passive CPU heatsink; optional 40x28mm fan; 1x high-efficiency power supply with thermal control fan	3x 4cm heavy duty fans with optimal fan speed control
Form Factor	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")	1U Rackmount 426 x 43 x 558mm (16.8" x 1.7" x 21.95")

* Please check with your Supermicro sales representative for compatibility



UP



UP

UP
6Gbps SATA3

MODEL	SuperServer® SYS-5017C-LF	SuperServer® SYS-5017C-MF	SuperServer® SYS-5017C-TF
Processor Support	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket (Max. TDP ≤ 45W)	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
Key Applications	- File server - E-mail server - Web server for small business and other server applications	- Client nodes - Firewalls, web, email, file servers - Clustering, NAS storage, and other space constrained applications	- File server - E-mail server - Web server for small business and other server applications
Outstanding Features	- Optimized for server appliance 1 PCI-E x8 - IPMI 2.0 + KVM with dedicated LAN - Cost effective UP platform 200W low-power supply	- Compact size chassis - Optimized for server appliance 350W Gold Level high-efficiency power supply - Cost effective UP platform	- Optimized for server appliance - SATA3 6Gbps support 350W Gold Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9SCL-F	SUPER [®] X9SCL-F	SUPER [®] X9SCM-F
Chipset	Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
System Memory (Max.)*	32GB UDIMM* ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8
Onboard Storage Controller	Intel® 2 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 2 SATA (3Gbps) RAID 0,1,5 (Windows) Optional RAID 0,1,10 (Linux)	2 SATA3 (6Gbps) 4 SATA2 (3Gbps) RAID 0,1 (Windows) RAID 0,1 (Linux)
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Nuvoton Graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Optional 1x 3.5" SATA2 or 2x 2.5" SATA2 drive bays	Optional 2x 3.5" or 2.5" internal drive bay	2x 3.5" hot-swap SATA 3/2 drive bays
Peripheral Bays	N/A	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive
Power Supply	200W low power supply	350W Gold Level high-efficiency power supply	350W Gold Level high-efficiency power supply
Cooling System	2x 4cm counter-rotating fans with optimal fan speed control	2x 4cm counter-rotating fans with optimal fan speed control	2 x 10cm high performance PWM blower fans with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")	Mini-1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.5")	1U Rackmount 426 x 43 x 574mm (16.8" x 1.7" x 22.6")

* Please check with your Supermicro sales representative for compatibility



UP

UP



MODEL	SuperServer® SYS-5017C-MTF SYS-5017C-MTRF	SuperServer® SYS-5017C-URF	SuperServer® SYS-5017P-TLNF SYS-5017P-TF
Processor Support	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single Intel® Xeon® processor E3-1200 & E3-1200 v2 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Single embedded 3rd Gen. Intel® Core i7-3612QE Mobile ECC processor (up to 3.1GHz, 6M Cache) and Core i5-3610ME (2.7GHz)
Key Applications	- File server - E-mail server - Web server for small business and other server applications	- Gateway, provisioning servers - Simulation and modeling - Application and data serving - High-performance computing	Client nodes, firewalls, web, email, file servers, clustering, NAS storage, and other space constrained applications
Outstanding Features	- Optimized for small business - IPMI 2.0 + KVM with dedicated LAN - Cost effective UP platform -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (BBP™))	- Optimized for small business - IPMI 2.0 + KVM with dedicated LAN - Cost effective UP platform 500W Redundant Platinum Level high-efficiency power supplies	- Compact size chassis - Optimized for server appliance - Cost effective UP platform
Serverboard	SUPER● X9SCL-F	SUPER● X9SPU-F	-TLNF: SUPER● X9SPV-LN4F-3QE -TF: SUPER● X9SPV-3610ME
Chipset	Intel® C202 PCH chipset	Intel® C216 Express PCH chipset	Intel® QM77 Chipset
System Memory (Max.)*	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets	32GB UDIMM ECC Unb. DDR3 1600/1333/1066/800 SDRAM in 4 DIMM sockets	16GB UDIMM ECC Unb. DDR3 1333/1066/800 MHz So-DIMM in 2 DIMM sockets
Expansion Slots	1 PCI-E 2.0 x8	1 PCI-E 3.0 x16, 2 PCI-E 2.0 x4 (in x8 slot); UIO	1x PCI-E 3.0 x16 slot
Onboard Storage Controller	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	Intel® 4 SATA (3Gbps) RAID 0,1,5,10 (Windows) Optional RAID 0,1,10 (Linux)	4x SATA2 3Gbps w/ RAID 0, 1, 5, 10; 2x SATA3 6Gbps w/ RAID 0, 1
Connectivity	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers	Dual LAN with Intel® 82574L Gigabit Ethernet controller	Quad/Dual LAN with Intel® 82574L Gigabit Ethernet controllers 4x/2x Gigabit LAN ports
VGA/Audio	Nuvoton Graphics	Nuvoton Graphics	Matrox® G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" hot-swap SATA drive bays	4x 3.5" hot-swap SATA drive bays	2x 3.5" or 4x 2.5" internal SATA2 drive bays (optional)
Peripheral Bays	Optional 1 slim DVD-ROM drive	Optional 1 slim DVD-ROM drive	N/A
Power Supply	-MTF: 350W Gold Level high-efficiency power supply; -MTRF: 400W Redundant Gold Level high-efficiency power supplies (with optional Battery Backup (PWS-206B-1R))	500W Redundant Platinum Level high-efficiency power supplies	200W Low-noise power supply w/ PFC
Cooling System	4 x 4cm heavy duty with air shroud with optimal fan speed control	4 x 4cm heavy duty with air shroud with optimal fan speed control	1x 4cm cooling fan (optional)
Form Factor	1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	1U Rackmount 437 x 43 x 650mm (17.2" x 1.7" x 25.6")	Mini-1U Rackmount 437 x 43 x 249mm (17.2" x 1.7" x 9.8")

* Please check with your Supermicro sales representative for compatibility



New!
2U GPU/Xeon Phi™
Xeon Phi™/Tesla® Kepler Ready!



New!
2U WIO
Platinum Level Power,
16 DIMMs, 6 PCI-E 3.0 x8



New!
2U DCO
Platinum Level Power,
16 DIMMs, up to 4 AOCs
4 NVMe



MODEL	SuperServer® SYS-2028GR-TR(T) SYS-2028GR-TRH(T)	SuperServer® SYS-6028R-WTR SYS-6028R-WTRT	SuperServer® SYS-6028R-TDWN
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	2D/3D and CAD Applications 3D Rendering - Astrophysics - Chemistry - Cloud and Virtualization needs - Cloud Computing - Financial Analysis - High-performance computing - Oil & Gas	- Cloud and Virtualization needs - Database Processing & Storage - Hosting & Application delivery - HPC cluster computer nodes - Simulation & Automation	- Data Center - Cloud and Virtualization needs - Hosting & Application delivery - Database Processing & Storage - Simulation & Automation
Outstanding Features	- Up to 6 PCI-E 3.0 x16 slots support 6 double-width GPU cards 10x 2.5" SAS/SATA drive bays 16 DIMM sockets - GPU health monitoring with fan speed control - High-density, Enterprise Performance, Cost-effective	2 SATA DOM support with built-in power - Redundant 740W Platinum Level high-efficiency power supplies - Supports 16 DIMM DDR4 up to 2133MHz - Up to 6 add-on cards	- Redundant 920W Platinum Level High-Efficiency Power Supplies - IPMI 2.0 + KVM with Dedicated LAN - Supports 16 DIMM DDR4 up to 2133MHz - Up to 4 add-on cards - NVMe Support
Serverboard	-TR/TRH: SUPER● X10DRG-H -TRT/TRHT: SUPER● X10DRG-HT	-WTR: SUPER● X10DRW-i -WTRT: SUPER● X10DRW-iT	SUPER● X10DDW-iN
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	-TR(T): 4x PCI-E 3.0 x16 slots (GPU/XeonPhi™ opt.); 1 x PCI-E 3.0 x8 (in x16) low profile slot; -TRH(T): 6x PCI-E 3.0 x16 slots (GPU/XeonPhi™ opt.); 1x PCI-E 3.0 x8 (in x16) low profile slot	6 PCI-E 3.0 x8 (2 FHFL, 2 FHHL, 2LP)	3 PCI-E 3.0 x8 (FH/FL) & 1 PCI-E 3.0 (LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 8 SATA3 (6Gbps) Ports; RAID 0,1,5,10
Connectivity	-TR/TRH: Dual LAN with Intel® i350 Gigabit Ethernet controller -TRT/TRHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-WTR: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -WTRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	Dual LAN with Intel® i350 Gigabit Ethernet Controllers
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	10 x 2.5" hot-swap SAS/SATA drive bay	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" SATA + 4x 2.5" NVMe drive bay
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)	N/A
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies	Redundant 740W Platinum Level high-efficiency power supplies with I°C & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	5x 8cm heavy duty fans with optimal fan speed control	3x 8cm (7000 RPM) hot-swap PWM cooling fan	3x 80x80x38mm heavy duty counter-rotating fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 787mm (17.2" x 3.5" x 31")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



New!
Resource Optimized
2U SAS3/SATA3
Quad LAN, 24 DIMMs, 10GBase-T



New!
Mainstream
8x SAS3 (12Gbps) and 8x SATA3
(6Gbps)



New!
Cost-Optimized
DDR4 16x DIMMs,
2x LAN Ports, 6x Add-on Cards



MODEL	SuperServer® SYS-2028R-C1R4+ SYS-2028R-C1RT4+	SuperServer® SYS-2028R-C1R SYS-2028R-C1RT	SuperServer® SYS-6028R-T SYS-6028R-TT
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Application and data serving - Compute Intensive Application - Database Processing & Storage - High Availability Storage Appliance Platform - Hosting & Application delivery	- Application and data serving - Business Critical Applications - Compute Intensive Application - Database Processing & Storage - DataCenter Applications - Mission-critical applications - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation
Outstanding Features	8x 2.5" SAS/8x 2.5" SATA drive bays 24 DIMM sockets - Redundant 920W Platinum Level high-efficiency - LSI® 3108 controller for 8 SAS3 (12Gbps) hot-swappable 2.5" drives - Up to 6 add-on cards 2 SATA DOM support with built-in power	8x SAS3 (12Gbps) and 8x SATA3 (6Gbps) 2.5" drives 2 SATA DOM support with embedded power 16 DIMM sockets - Redundant 920W Platinum Level high-efficiency - Supports up to 7 expansion cards	16 DIMM support 650W Gold Level high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN 6x 3.5" hot-swap drive bays 2 SATA DOM support with built-in power
Serverboard	-C1R4+: SUPER● X10DRC-LN4+ -C1RT4+: SUPER● X10DRC-T4+	-C1R: SUPER● X10DRH-C -C1RT: SUPER● X10DRH-CT	-T: SUPER● X10DRi -TT: SUPER● X10DRi-T
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) low profile add on cards	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 low profile add on cards.	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	-C1R4+: Quad LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT4+: Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-C1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-T: Dual LAN with Intel® i350 Gigabit Ethernet controller; or -TT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 2.5" 12Gbps SAS3 and 8x 2.5" 6Gbps SATA3 (Total 16 hot-swap drives)	8x 2.5" SAS3 (12Gbps) and 8x 2.5" SATA3 (6Gbps), total 16 hot-swap drives	6x 3.5" hot-swap drive bays
Peripheral Bays	USB Support: Rear: 2x 3.0 + 2x 2.0; Front: 2x 2.0, 1x Type A, optional 1x 5.25" DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front: 2x2.0, and 1x Type A; optional DVD-ROM drive; support either 1x slim or 1x 5.25" DVD drive	1 slim DVD/DVD-ROM drive (optional)
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with I ² C & PMBus	Redundant 920W Platinum Level (94%) high efficiency power supplies	650W high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm high-performance PWM fans	4x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.6")

* Please check with your Supermicro sales representative for compatibility



New!
I/O Optimized
2U 8-bay Hot-swap
3.5" HDDs w/ 16 DIMMs



New!
UP WIO
Multiple AOC
Expansion Option



New!
2U UP Storage
SAS 3.0, 12x 3.5" hot-swap HDDs



MODEL	SuperServer® SYS-6028R-TR SYS-6028R-TRT	SuperServer® SYS-5028R-WR	SuperStorage SSG-5028R-E1CR12L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Single Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families with QPI up to 9.6 GT/s
Key Applications	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Database Processing & Storage - Connectivity/Storage Computer Nodes - Data Warehouse	- Connectivity/Storage Computer Nodes - Application and data serving - High Availability Storage Appliance Platform
Outstanding Features	16 DIMM support - Redundant 740W Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power	8x 3.5" Hot-swap SATA3 bays w/ RAID - Redundant 500W Platinum Level power 5 PCI-E 3.0 x8 slots	- LSI® 3008 controller onboard - Remote management via dedicated IPMI BMC 12x 3.5" hot-swap SAS3 drive bays - Dual JBOD expansion ports
Serverboard	-TR: SUPER● X10DRi -TRT: SUPER● X10DRi-T	SUPER● X10SRW-F	SUPER● X10SRH-CLN4F
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Express chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 8x ECC/Non-ECC DDR4 R/LR/U DIMM 1333MHz/1600MHz/2133MHz(1DPC); Up to 256GB RDIMM, 512GB LRDIMM or 64GB UDIMM	Up to 8x ECC/DDR4 R/LR/U DIMM 1333MHz/1600MHz/2133MHz(1DPC); Up to 256GB RDIMM, 512GB LRDIMM
Expansion Slots	3 PCI-E 3.0 x16 (LP) 3 PCI-E 3.0 x8 (LP)	5 PCI-E 3.0 x8 slots	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2); Slot 1 occupied by JBOD expansion port
Onboard Storage Controller	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	LSI® 3008 onboard controller IT mode
Connectivity	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller; -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	2x GbE port, 1x dedicated IPMI port	4x GbE port, 1x dedicated IPMI port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA3 drive bays	8x 3.5" Hot-swap SATA3 bays w/ RAID; optional fixed drive bays	12x 3.5" Hot-swap SAS3 Drive Bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1x slim DVD-ROM drive bay 2x USB 2.0 ports	N/A
Power Supply	Redundant 740W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 500W Platinum Level power supplies optional BBP™ module support	Redundant 920W Platinum Level Digital high-efficiency power supplies
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x middle cooling fans	3x cooling fans
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.6")

* Please check with your Supermicro sales representative for compatibility



New!
2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



New!
2U Storage
X10 SAS3 HW RAID controller
Storage Expandable



New!
2U Storage
X10 SAS3 IT mode controller
Storage Expandable



MODEL	SSG-6028R-E1CR12N	SSG-6028R-E1CR12H	SSG-6028R-E1CR12L
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN
Outstanding Features	- LSI 3108 SAS3 HW RAID controller 2x 3.5" SAS3/SATA3 drive bays 145W CPU support 24 DIMM support 4x 10G BaseT - Dual JBOD Expansion Ports - Redundant 920W Platinum Level high efficiency power supplies	- LSI 3108 SAS3 HW RAID controller 12x 3.5" SAS3/SATA3 drive bays 145W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports - Redundant 920W Platinum Level high efficiency power supplies	- X10 SAS3 IT mode controller 12x 3.5" SAS3/SATA3 drive bays 145W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports - Redundant 1280W Platinum Level high-efficiency power supplies
Serverboard	SUPER [®] X10DRi-T4+	SUPER [®] X10DRH-iT	SUPER [®] X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB Registered ECC, DDR4-2133MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Onboard Storage Controller	LSI 3108 SAS3 add-on controller card	LSI 3108 SAS3 add-on controller card	LSI 3008 SAS3 add-on controller card
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Aspeed AST2400 BMC	Aspeed AST2400 BMC	Aspeed AST2400 BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	12x 3.5" hot-swap SAS3/SATA3 drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	12x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility

**New!**

2U Storage
X10 SAS3 HW RAID controller
Storage Expandable

**New!**

2U Storage
X10 SAS3 HW RAID controller
Storage Expandable

**New!**

2U Storage
X10 SAS3 IT mode controller
Storage Expandable



MODEL	SSG-2028R-E1CR24N	SSG-6028R-E1CR12H	SSG-6028R-E1CR12L
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN
Outstanding Features	- LSI 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 24 DIMM sockets - Quad 10GBase-T Ports - Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency	- LSI 3108 SAS3 HW RAID controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 24 DIMM sockets - Dual 10GBase-T - Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency	- X10 SAS3 IT mode controller 24x 2.5" Hot-swap SAS3 bays 145W CPU support 16 DIMM sockets - Dual 10GBase-T Ports - Dual JBOD Expansion Ports 920W Redundant Platinum Level high-efficiency
Serverboard	SUPER ^{micro} ® X10DRi-T4+	SUPER ^{micro} ® X10DRH-iT	SUPER ^{micro} ® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB Registered ECC, DDR4-2133MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD expansion port
Onboard Storage Controller	LSI 3108 SAS3 add-on controller card	LSI 3108 SAS3 add-on controller card	LSI 3008 SAS3 add-on controller card
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Aspeed AST2400 BMC	Aspeed AST2400 BMC	Aspeed AST2400 BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3/SATA3 drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	24x 2.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans	3x 8cm hot-swap redundant PWM cooling fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



New! EX DP

32 DIMMs, 2U, 2 Node,
Dual E7-8800/4800/2800 v2
(15-Core)



New! EX DP

32 DIMMs, 2U, 2 Node,
Dual E7-8800/4800/2800 v2
(15-Core)



MODEL	SuperServer® SYS-2028UT-BC1NRT	SuperServer® SYS-2028UT-BTNRT
Processor Support	Dual Intel Xeon Processor E7-8800 / 4800 / 2800 v2 (Ivy Bridge-EX) product families with QPI up to 8GT/s	Dual Intel Xeon Processor E7-8800 / 4800 / 2800 v2 (Ivy Bridge-EX) product families with QPI up to 8GT/s
Key Applications	- High-performance computing - HPC	- High-performance computing - HPC
Outstanding Features	2 hot swappable nodes in 2U 2x 10GBase-T Ports - IPMI 2.0 + KVM with dedicated LAN - LSI® 3108 controller for 8 SAS3 (12 Gbps) hot-swappable drives - Micro LP PCI-E 2.0 x 8	2 hot swappable nodes in 2U 2x 10GBase-T Ports - IPMI 2.0 + KVM with dedicated LAN - Micro LP PCI-E 2.0 x 8
Serverboard	SUPER [®] X10DBT-T	SUPER [®] X10DBT-T
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 2TB ECC DDR3, 1600MHz in 32 DIMM slots	Up to 2TB ECC DDR3, 1600MHz in 32 DIMM slots
Expansion Slots	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card	2x PCI-E 3.0 x16 FH/HL 1x PCI-E 3.0 x8 MicroLP card
Onboard Storage Controller	Twin set of LSI® 3108 SAS3 (12Gbps); RAID 0,1,5,6,10,50	
Connectivity	Dual 10GBase-T ports with Intel® X540 controller	Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays	2x NVMe drive bays; 8x 2.5" hot-swap SATA3 HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies	1280W Redundant Platinum Level Digital (95%+) high-efficiency power supplies
Cooling System	4x 8cm PWM fans	4x 8cm PWM fans
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility



2U 4-GPUs
Xeon Phi™/Tesla® Kepler Ready!

2U 6-GPUs
Xeon Phi™/Tesla® Kepler Ready!

2U 4GPUs
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-2027GR-TRFH SYS-2027GR-TRFHT	SuperServer® SYS-2027GR-TRF SYS-2027GR-TRFT	SuperServer® SYS-2027GR-TR2 SYS-2027GR-TRT2
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- GPU/Xeon Phi™ Server - Mission-critical application - Enterprise server - Large database, e-business, on-line transaction processing - Oil & gas, and medical application	- GPU/Xeon Phi™ Server - Mission-critical application - Enterprise server - Large database, e-business, on-line transaction processing - Oil & gas, and medical application	2D/3D and CAD Applications 3D Rendering, Astrophysics, Chemistry - Cloud and Virtualization needs - Cloud Computing - Financial Analysis - High-performance computing - Oil & Gas
Outstanding Features	- Up to 6 GPU/Xeon Phi™ cards in 2U 10x 2.5" SATA drives - GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies	- Up to 4 GPU or Xeon Phi™ cards in 2U 10x 2.5" SATA drives - GPU/Xeon Phi™ health monitoring with fan speed control 1800W Redundant Platinum Level high-efficiency power supplies	10x 2.5" SAS/SATA drive bays 130W CPU support 16 DIMM sockets - GPU health monitoring with fan speed control - High-density, Enterprise Performance, Cost-effective
Serverboard	SUPER● X9DRG-HF SUPER● X9DRG-HTF	SUPER● X9DRG-HF SUPER● X9DRG-HTF	-TR2: SUPER● X9DRG-HF+II -TRT2: SUPER● X9DRG-HTF+II
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x16 support 6 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile)	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	4 PCI-E x16 slots (GPU/Xeon Phi™ opt.); 1 PCI-E x8 (in x16) low profile slot; 1 PCI-E x4 (in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 AHCI controller for 4 SATA2 (3 Gbps) ports; RAID 2SATA3 (6 Gbps) 0,1,10; Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,10
Connectivity	-TRFHT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRFH: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TRFT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors -TRF: Dual LAN with Intel® i350 Gigabit Ethernet controller	-TR2: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -TRT2: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphic	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays	10x 2.5" hot-swap SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1800W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1600W Platinum Level high-efficiency redundant power supplies with I²C & PMBus
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	5x 8cm heavy duty fans with intelligent cooling fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 437 x 89 x 775mm (17.2" x 3.5" x 30.5")	2U Rackmount 17.2" (437mm) x 3.5" (89 mm) x 31" (787 mm)

* Please check with your Supermicro sales representative for compatibility



2U 4GPUs
Xeon Phi™/Tesla® Kepler Ready!



WIO+
SAS2 HW RAID /
10GbE SFP+



WIO+
SAS2 HW RAID
10GbE SFP+



MODEL	SuperServer® SYS-2027GR-TSF	SuperServer® SYS-6027R-72RFTP+	SuperServer® SYS-2027R-72RFTP+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 v2 family with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• Big Data Analytics • Chemistry • Cloud Computing • High-performance computing • HPC cluster computer nodes • Oil & Gas	• Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications	• Cloud and Virtualization needs • Compute Intensive Storage Environments • Database Processing & Storage • Enterprise Server • Front-end Server and other Computing Intensive Applications
Outstanding Features	• 10x 2.5" SAS/SATA drive bays • 1800W Platinum Level high-efficiency power supply • Up to 4 PCI-E 3.0 x16 slots support 4 double-width GPU cards in 2U	• 10x 3.5" SAS/SATA drive bays • 24 DIMM sockets • 2x 10G SFP+ & 2x 1G LAN ports • LSI® 2208 controller onboard • Up to 5 add-on cards	• 16x 2.5" SAS/SATA drive bays • 24 DIMM sockets • 2x 10G SFP+ & 2x 1G LAN ports • LSI® 2208 controller onboard • Up to 5 add-on cards
Serverboard	SUPERMICR® X9DRG-HF	SUPERMICR® X9DRW-7TPF+	SUPERMICR® X9DRW-7TPF+
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 support 4 double width GPU/Xeon Phi™ cards 1 PCI-E 3.0 x8 (in x16 low-profile) 1 PCI-E 2.0 x4 (in x16 FHFL)	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots	Riser card support: Left side - 1 PCI-E 3.0 x16 (FH, 16.5"L), 2 PCI-E 3.0 x8 slots; Right side - 2 PCI-E 3.0 x8 slots
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0, 1, 5, 6, 10; 1GB DDR3 cache (1333MHz); Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+	Dual LAN Intel® i350 Gigabit Ethernet Controller, Intel® 82599ES 10 Gigabit Ethernet w/ SFP+
VGA/Audio	Matrox® G200eW graphics	Matrox G200eW graphics	Matrox G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog;	IPMI 2.0, KVM/media over LAN with dedicated LAN port SuperDoctor III; Watchdog
Drive Bays	10x 2.5" hot-swap SATA drive bays	10x 3.5" hot-swap SAS/SATA Drive Bays	16x 2.5" hot-swap SAS/SATA Drive Bays, 1x 5.25" drive bay
Peripheral Bays	N/A	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)	1x slim DVD-ROM drive (optional); 1x USB + COM port tray (optional)
Power Supply	1800W Platinum Level high-efficiency power supply with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode	920W Redundant Platinum Level high-efficiency power supplies with PMBus & Quiet Mode
Cooling System	5x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control	4x 80mm high-performance fan; Air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 775mm (17.2"x 3.5" x 30.5")	2U Rackmount 437 x 89 x 705mm (17.2"x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")



WIO+



WIO+



WIO+



MODEL	SuperServer® SYS-6027R-N3RFT+ SYS-6027R-N3RF4+	SuperServer® SYS-2027R-N3RFT+	SuperServer® SYS-2027R-N3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Data Center - Front-end Server and other Computing Intensive Applications - HPC	- Data Center - Front-end Server and other Computing Intensive Applications - HPC
Outstanding Features	- Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	- Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	- Dual Intel® 10Gb Ethernet 10GBase-T ports (-N3RFT+) 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-N3RFT+: SUPER® X9DRW-3TF+ -N3RF4+: SUPER® X9DRW-3LN4F+	SUPER® X9DRW-3TF+	SUPER® X9DRW-3LN4F+
Chipset	Intel® C606 chipset	Intel® C606 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)	Right slot: 2 PCI-E 3.0 x8 (LP/6.6L) Left slot: 2 PCI-E 3.0 x16 (1 FH/16.5"L, 1 FH 10"L); 2 PCI-E 3.0 x8 (1 FH/16.5"L, 1FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) ports; RAID 0,1,10
Connectivity	-N3RFT+: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller -N3RF4+: Quad LAN with dual Intel® i350 Gigabit Ethernet controller	Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T connectors; Dual LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with dual Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200ew graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	10x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bay 1x 5.25" drive bay	16x 2.5" hot-swap SAS/SATA drive bay 1x 5.25" drive bay
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	4x 8cm hot-swap cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 705mm (17.2"x 3.5" x 27.75")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")

* Please check with your Supermicro sales representative for compatibility



WIO



WIO



WIO



MODEL	SuperServer® SYS-6027R-N3RF	SuperServer® SYS-2027R-WRF	SuperServer® SYS-6027R-WRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation	• Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation	• Cloud and Virtualization needs • Hosting & Application delivery • Database processing & Storage • Simulation & Automation
Outstanding Features	• 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN	• 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN	• 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRW-3F	SUPER● X9DRW-iF	SUPER● X9DRW-iF
Chipset	Intel® C606 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)	Left slot: 4 PCI-E 3.0 x8 (2 FH/13.5"L, 2FH/6.6"L)
Onboard Storage Controller	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10	Ready for SAS/SATA add-on card	Ready for SAS/SATA add-on card
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200ew graphics	Matrox® G200eW graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	16x 2.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")	2U Rackmount 437 x 89 x 684mm (17.2"x 3.5" x 26.93")	2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



New!
24 DIMM DCO
Data Center Optimized



Data Center Optimized



Data Center Optimized



MODEL	SuperServer® SYS-6027R-CDNRT+	SuperServer® SYS-6027R-TDARF	SuperServer® SYS-6027R-73DARF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• Big Data Analytics • Cloud and Virtualization needs • Cloud Computing • Compute Intensive Application • Data Center • HPC • Virtualization	• Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments	• Data Center • HPC • Enterprise Server • Compute Intensive Storage Environments
Outstanding Features	• 920W Redundant Platinum Level High-Efficiency Power Supplies • Up to 24 DIMM, 1.5TB Memory • 2x 10GBase-T Ports • Up to 4 add-on cards • IPMI 2.0 + KVM with dedicated LAN • NVMe Support	• Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN	• Optimized for Power Saving and Improved Cooling • 740W Redundant Platinum Level high-efficiency power supplies • 4 LAN ports • IPMI 2.0 + KVM with dedicated LAN • LSI® 2308 controller for 8 SAS2 ports
Serverboard	SUPER● X9DRD-CNT+	SUPER● X9DRD-iF	SUPER● X9DRD-7LN4F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 (FHHL) 2 PCI-E 3.0 x8 (FHHL) 1 PCI-E 3.0 x8 Low-Profile	1 PCI-E 3.0 x16 (low-profile) 4 PCI-E 3.0 x8 (low-profile)	6 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	LSI 3108 SAS3 (12Gbps) HW RAID controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60; 2GB DDR3 Cache	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI® 2308 controller for 8 SAS/SATA (6Gbps) ports; RAID 0,1,10
Connectivity	Dual LAN with Intel® X540 10GBase-T Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Quad LAN with Dual Intel® i350 Gigabit Ethernet controller
	Matrox® G200ew graphics	Matrox® G200ew graphics	Matrox® G200ew graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" SATA/SAS + 4x 2.5" NVMe drive bay	8x 3.5" hot-swap SATA HDD bays	8x 3.5" hot-swap SAS HDD bays
Peripheral Bays	N/A	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I2C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I2C and PMBus	740W Redundant Platinum Level high-efficiency power supplies with I2C and PMBus
Cooling System	3x 80x80x38mm heavy duty counter-rotating fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream

Mainstream

Mainstream

Mainstream

Rackmount



SuperServer® SYS-6027R-3RF4+	SuperServer® SYS-6027R-TRF	SuperServer® SYS-6027R-72RF	SuperServer® SYS-6027R-72RFT
Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation
24 DIMM support - SAS support 4 LAN ports 740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	16 DIMM support 740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	16 DIMM support 740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - LSI® 2208 controller for 8 SAS2 ports	16 DIMM support 740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - LSI® 2208 controller for 8 SAS2 ports
SUPER● X9DR3-LN4F+	SUPER● X9DRi-F	SUPER● X9DRH-7F	SUPER● X9DRH-7TF
Intel® C606 Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C602 Chipset
Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
4 PCI-E 3.0 x16 (low-profile) 1 PCI-E 3.0 x8 (low-profile) 1 PCI-E 3.0 x4 (in x8 low-profile)	3 PCI-E 3.0 x16 (low-profile) 3 PCI-E 3.0 x8 (low-profile)	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8
Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps); RAID 0,1,5,10	Intel® C602 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,10; 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Quad LAN with 2x Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual 10GBase-T with Intel® X540 10GbE Controller
Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 LSI RAID drive bays	8x 3.5" hot-swap SAS2 LSI RAID drive bays
1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2"x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility

**Mainstream****SBB Storage
High Availability Storage Platform****Storage
3x LSI 3008 IT Mode adapter
Low Latency**

MODEL	SuperServer® SYS-6027R-72RFT+	SuperStorage SSG-2027B-DE2R24L	SuperStorage SSG-2027R-AR24NV
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud and Virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Redundant node/set - High Availability Storage Appliance Platform	- Low latency applications using SSD, 15K Media & RAID - High-capacity network caching server - OLTP Database, Index server - HPC Cluster Applications
Outstanding Features	24 DIMM support 740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - LSI® 2208 controller for 8 SAS2 ports	- Dual JBOD Expansion Ports - NV-DIMM support 920W Redundant Platinum Level (94%+) power supplies - Up to 3 add-on cards	130W CPU support 16 DIMM sockets - IPMI 2.0 + KVM with dedicated LAN - NV-DIMM support SAS 3.0 (12Gbps) support - Direct attached
Serverboard	SUPER● X9DR7-TF+	SUPER● X9DBS-F-2U	SUPER● X9DRH-iF-NV
Chipset	Intel® C602J Chipset	Intel® C602J Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Two sets of up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots; Supports ADR based NV-DIMM technology
Expansion Slots	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	Two sets of 3 PCI-E 3.0 x8 (LP) slots	1 PCI-E 3.0 x16; 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by HBA
Onboard Storage Controller	LSI® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Two sets of LSI® 2308 SAS Dual Core controller	LSI® 3008 controller for 24 SAS 3.0 (12Gbps) ports; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps) 0,1,5,10
Connectivity	Dual 10GBase-T with Intel® X540 10GbE Controller	Two sets of dual LAN with Intel® Ethernet Controller i350-AM2	Dual LAN with Intel® Ethernet Controller i350-AM2
Management	Matrox® G200eW graphics	Nuvoton WPCM450 BMC;	Matrox® G200eW graphics
Drive Bays	8x 3.5" hot-swap SAS2 drive bays	24x 2.5" hot-swap SAS2 drive bay with SES2	24x 2.5" hot-swap SAS 3.0 drive bays
Peripheral Bays	1 slim DVD-ROM drive bay (optional)	N/A	Optional 2x 2.5" Rear Hot-swap Drive Bays
Power Supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant high-efficiency power supplies
Cooling System	3x 8cm (7000 RPM) hot-swap PWM cooling fan	10x 4cm PWM cooling fans; air shroud	3x 8cm high-performance PWM fans
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 679mm (17.2" x 3.5" x 26.75")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



**Storage SAS3 HW RAID
Storage Expandable**



**Storage SAS3 in IT mode
Storage Expandable**



**Storage SAS3 HW RAID
Storage Expandable**



MODEL	SuperStorage SSG-2027R-E1CR24N	SuperStorage SSG-2027R-E1CR24L	SuperStorage SSG-6027R-E1CR12N
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud and Virtualization needs - Compute Intensive Storage Environments - Data Farm - Enterprise Server - Media/Streaming - NAS and IP-SAN - Virtualization	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN - NAS and IP-SAN - Unstructured Data Storage - Virtualization	- Cloud Computing - Compute Intensive Storage Environments - Enterprise Server - Media/Streaming - NAS and IP-SAN - Web Server
Outstanding Features	130W CPU support 24 DIMM sockets & 4 LAN ports (4x 1G) - Dual JBOD Expansion Ports - Hardware RAID Supports up to 240 HDD/SSD - IPMI 2.0 + KVM with dedicated LAN - RAID 0,1,5,6,10,50,60 - Redundant 920W Platinum Level (94%+) Power Supplies SAS 3.0 (12Gbps) support	130W CPU support 16 DIMM sockets 512GB DDR3 SDRAM - Dual JBOD Expansion Ports - High-density, Enterprise Performance, Cost-effective - IPMI 2.0 management with dedicated LAN - Redundant 920W Platinum Level (94%+) Power Supplies SAS 3.0 (12Gbps) support - Up to 4 add-on cards	12x 3.5" drives 130W CPU support 24 DIMM sockets 94% Digital high-efficiency redundant power supplies - Dual JBOD Expansion Ports - Hardware RAID Supports up to 240 HDD/SSD - IPMI 2.0 + KVM with dedicated LAN - Quad Gigabit Ethernet LAN - RAID 0,1,5,6,10,50,60 SAS 3.0 (12Gbps) support
Serverboard	SUPERMICR® X9DRi-LN4F+	SUPERMICR® X9DRD-EF	SUPERMICR® X9DRi-LN4F+
Chipset	Intel® C602 Chipset	Intel® C602J Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1 & 2 Occupied by HW RAID Controller and JBOD Expansion Port	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 occupied by HBA and JBOD Expansion Port	4 PCI-E 3.0 x16; 1 PCI-E 3.0 x8; 1 PCI-E 3.0 x8 (in x4 slot); Slot 1&2 Occupied by Hardware RAID Controller and JBOD Expansion Port
Onboard Storage Controller	Hardware RAID LSI 3108 (AOC)	IT Mode / HBA LSI 3008	Hardware RAID LSI 3108
Connectivity	Quad 1G LAN with Intel i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad 1G LAN with Intel i350 Gigabit Ethernet controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS3 /SATA3 drive bay	24x 2.5" hot-swap SAS3 /SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	12x 3.5" hot-swap SAS3 /SATA3 drive bay with SES2; Optional Internal bracket for 2x 2.5" drives (fixed mounting)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm high-performance fans with air shroud & optimal fan speed control	3x 8cm high-performance fans with air shroud & optimal fan speed control	3x 8cm high-performance PWM fans
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Storage SAS3 in IT mode Storage Expandable



Storage HW RAID Expandable



Storage Expandable



MODEL	SuperStorage SSG-6027R-E1CR12L	SuperStorage SSG-2027R-E1R24N	SuperStorage SSG-2027R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud Computing - Data Farm - HPC cluster computer nodes - NAS and IP-SAN - SOHO Entry-Level Server - Video Server - Web Server	- Offers great performance in the widest number of storage applications - High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication - Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server	- High Capacity Expandable Storage - Next Generation Copy-on-write file systems - Streaming Media, Data Recording, Video Surveillance - Compliance Storage - Business Continuity - Disk-to-Disk Backup / Archive - Virtual Tape Applications
Outstanding Features	12x 3.5" drives 16 DIMM support 512GB DDR3 1600/1333/1066 SDRAM 94% Digital high-efficiency redundant power supplies - Dual JBOD Expansion Ports - IPMI 2.0 + KVM with dedicated LAN - Redundant 920W Platinum Level (94%+) Power Supplies SAS 3.0 (12Gbps) support - Up to 4 add-on cards	24 DIMM Support - Hardware RAID LSI2108(AOC) 920W Platinum Level (94%+) power supply - Lights-out management - Excellent Balance of CPU/Memory, Storage Performance and Value - Dual JBOD Expansion Port	- OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity - Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply - Lights-out management - Dual JBOD Expansion Port
Serverboard	SUPER● X9DRD-EF	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	6 PCI-E 3.0 x8 (LP, HL); Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 occupied by JBOD Expansion Port	6x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port
Onboard Storage Controller	IT Mode / HBA LSI 3008	Hardware RAID LSI® 2108(AOC)	LSI® 2308 / HBA
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad-1GbE	Quad-1GbE
VGA/Audio	Matrox® G200eW graphics	BMC integrated Matrox G200	BMC integrated Matrox G200
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS3 /SATA3 drive bay with SES2 ; Optional 2x 2.5" Hot-swap drive bays (rear)	24x 2.5" hot-swap SAS2/SATA3 drive bays	24x 2.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5" Hotswap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm high-performance PWM fans	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 647mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



Storage Expandable



*Storage
HW RAID Expandable*



*Storage
10G Optimized*



MODEL	SuperStorage SSG-6027R-E1R12L	SuperStorage SSG-6027R-E1R12N	SuperStorage SSG-6027R-E1R12T
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- High Capacity Expandable Storage - Next Generation Copy-on-write file systems - Streaming Media, Data Recording, Video Surveillance - Compliance Storage - Business Continuity - Disk-to-Disk Backup / Archive - Virtual Tape Applications	- High Capacity Expandable Storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication - Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server	- Performance 10G Base-T - Node for Scale-out clustered NAS/ SAN - Scale-Out content delivery - Virtual Tape Applications
Outstanding Features	- OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity - Single JBOD Expansion Port - Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply - Lights-out management	- Offers great performance in the widest number of storage applications 24 DIMM Support - Hardware RAID LSI2108(AOC) - Single JBOD Expansion Port 920W Platinum Level (94%+) - Lights-out management	- Balanced performance with built in 10G perfect for scale out storage nodes - Dual Onboard 10G Base-T 920W Platinum Level (94%+) - Lights-out management
Serverboard	SUPER● X9DRD-7LN4F-JBOD	SUPER● X9DRi-LN4F+	SUPER● X9DRH-7TF
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5x PCI-E 3.0 x8 slots (Low-profile) Slot 1 & 2 occupied by JBOD Expansion Port	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8) Slot 1 & 2 Occupied by JBOD Expansion Port and HBA	7 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 6 PCI-E 3.0 x8)
Onboard Storage Controller	LSI® 2308 / HBA	Hardware RAID LSI® 2108(AOC)	Hardware RAID LSI® 2208
Connectivity	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Quad-1GbE, Single JBOD expansion port (4x 6G lanes)	Dual 10GBase-T
VGA/Audio	BMC integrated Matrox G200	BMC integrated Matrox G200	BMC integrated Matrox G200
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0, KVM/media over LAN with dedicated LAN port
Drive Bays	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	12x 3.5" hot-swap SAS2/SATA3 drive bays	12x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")

* Please check with your Supermicro sales representative for compatibility



Storage
Low Latency
3x 2208 RAID Controller



Enterprise-Class
Hyper-Speed



Enterprise-Class
Hyper-Speed



MODEL	SuperStorage SSG-2027R-AR24	SuperServer® SYS-6027AX-TRF	SuperServer® SYS-6027AX-72RF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Low latency applications using SSD, 15K Media & RAID - High-capacity network caching server - OLTP Database, Index server - HPC Cluster Applications	- Financial Analysis - Business Critical Applications - Enterprise Server - Oil & Gas - Enterprise class Hyper-Speed - High Frequency Trading	- Financial Analysis - Business Critical Applications - Enterprise Server - Oil & Gas - Enterprise class Hyper-Speed - High Frequency Trading
Outstanding Features	- Dual Onboard 10G Base-T - Hardware RAID controller for maximum CPU utilization - Direct Attached Backplane, perfect for SSDs 920W Platinum Level (94%+) Digital high-efficiency power supplies - Lights-out management	10x 3.5 SATA/SAS drives - Dual port IEEE 1394a headers 1280W Redundant Platinum Level Digital high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	- SAS2 RAID 0,1,10,5,50,60 10x 3.5 SATA/SAS drives - Dual port IEEE 1394a headers 1280W Redundant Platinum Level Digital high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DRH-7TF	SUPER [®] X9DAX-iF	SUPER [®] X9DAX-7F
Chipset	Intel® C602 Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	5 PCI-E 3.0 slots, (1 PCI-E 3.0 x16 and 4 PCI-E 3.0 x8) Slot 1 & 2 Occupied by RAID controller	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	Hardware RAID LSI® 2208; 1 onboard + 2x AOC	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI® 2208 controller for 8 SAS2 ports HW RAID 0,1,5,6,10,50,60; Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual 10GBase-T	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	BMC integrated Matrox G200	Matrox® G200eW graphics 7.1 HD Audio	Matrox® G200eW graphics 7.1 HD Audio
Management	IPMI 2.0, KVM/media over LAN with dedicated LAN port	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS2/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bay	10x 3.5" hot-swap SATA/SAS HDD bays	10x 3.5" hot-swap SATA/SAS HDD bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iFC & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control	4x 80mm high-efficiency PWM fans with optimal fan speed control
Form Factor	2U Rackmount 437 x 89 x 630mm (17.2" x 3.5" x 24.8")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



*Datacenter
Optimized*



UIO



UP



MODEL	SuperServer® SYS-6027B-TLF	SuperServer® SYS-6027B-URF	SuperServer® SYS-5027R-WRF
Processor Support	Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8 GT/s	Single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Data Center - Web Server	- HPC cluster computer nodes - Data farm - Data center - Front-end server	Cloud and Virtualization needs, Hosting & Application delivery, Database processing & Storage, Simulation & Automation
Outstanding Features	650W AC-DC high-efficiency power supply Gold Level - IPMI 2.0 + KVM with dedicated LAN - Cost Effective	740W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	500W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER●X9DBL-iF	SUPER●X9DBU-iF	SUPER●X9SRW-F
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 192GB of ECC DDR3-1600 MHz SDRAM in 6 DIMM sockets	Up to 384GB of ECC DDR3-1600 MHz SDRAM in 12 DIMM sockets	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI, 3 PCI-E x8, 1 PCI-E x16, 1 PCI-E 3.0 x4 (in x8)	1 UIO, 4 PCI-E 3.0 x4 (2 FH/13.5"L, 2 LP/6.6"L) 1 PCI-E 3.0 x8 (FH/13.5"L)	4 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	Ready for SAS or SATA add-on card	Intel® C602 controller for 2 SATA3 (6Gbps) ports; 2 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps); RAID 0,1,5,10
Connectivity	Intel® 82574L Dual Port Gigabit Ethernet LAN	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6x 3.5" hot-swap SATA HDD bays	8 hot-swap 3.5" SAS/SATA drives bays (Optional SAS controller card)	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive (optional)
Power Supply	650W Gold Level AC-DC high-efficiency power supply	740W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	500W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 80x80x38 mm high performance PWM fans with optimal fan speed control	3x heavy duty fans w/ Optimal Fan Speed Control; 1 Air Shroud	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 426 x 89 x 650mm (16.8" x 3.5" x 25.6")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")	2U Rackmount 437 x 89 x 648mm (17.2" x 3.5" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Storage
X10 HW SAS3 controller
Storage Expandable



Storage
X10 SAS3 IT mode controller
Storage Expandable



Storage
X10 HW SAS3 controller
Storage Expandable



MODEL	SuperStorage SSG-6038R-E1CR16N	SuperStorage SSG-6038R-E1CR16L	SuperStorage SSG-6038R-E1CR16H
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6 GT/s
Key Applications	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN
Outstanding Features	- LSI 3108 SAS3 HW RAID controller 16x 3.5" SAS3/SATA3 drive bays 130W CPU support 24 DIMM support 4 x 10G BaseT - Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply	- LSI 3008 SAS3 IT mode controller 16x 3.5" Hot-swap SAS3 bays 130W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply	- LSI 3108 SAS3 HW RAID controller 16x 3.5" SAS3/SATA3 drive bays 130W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply
Serverboard	SUPER●X10DRi-T4+	SUPER●X10DRH-iT	SUPER●X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1.5TB Registered ECC, DDR4-2133MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8, Slot 1 & 2 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8, Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3108 SAS3 add-on controller card	LSI 3008 SAS3 add-on controller card	LSI 3108 SAS3 add-on controller card
Connectivity	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	Aspeed AST2400 BMC	Aspeed AST2400 BMC	Aspeed AST2400 BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")



SBB Storage High Availability Storage Platform



Storage HW RAID Expandable



Storage Expandable



MODEL	SuperStorage SSG-6037B-DE2R16L	SuperStorage SSG-6037R-E1R16N	SuperStorage SSG-6037R-E1R16L
Processor Support	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- High Availability Storage Appliance Platform - Failover cluster - Cluster in a Box	- High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication - Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server	- High Capacity Expandable Storage - Next Generation Copy-on-write file systems like Windows Storage Spaces, Oracle ZFS, Linux BTFS - Streaming Media, Data Recording, Video Surveillance - Compliance Storage - Business Continuity - Disk-to-Disk Backup / Archive - Virtual Tape Applications
Outstanding Features	- Dual JBOD Expansion Ports - NV-DIMM support 920W Redundant Platinum Level (94%+) power supplies - Up to 3 add-on cards 8x lanes PCI-E 3.0 between nodes (NTB)	- Offers great performance in the widest number of storage applications 24 DIMM Support - Hardware RAID LSI2108(AOC) 920W Platinum Level (94%+) power supply - Lights-out management - Dual JBOD expansion ports	- OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity - Dual JBOD Expansion Ports - Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply - Lights-out management
Serverboard	SUPER● X9DBS-F	SUPER● X9DRi-LN4F+	SUPER● X9DRD-7LN4F-JBOD
Chipset	Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
System Memory (Max.)*	Two sets of up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Two sets of 3 PCI-E 3.0 x8 (1 FH, 2 LP) expansion slots per controller	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Onboard Storage Controller	Two sets of LSI® 2308 SAS Dual Core controller	Hardware RAID LSI® 2108(AOC)	LSI® 2308 / HBA
Connectivity	Two sets of dual LAN with Intel® Ethernet Controller i350-AM2	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
VGA/Audio	Two sets of 1 VGA, 1 Nuvoton WPCM450 BMC	BMC integrated Matrox G200	BMC integrated Matrox G200
Management	Two sets of IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	16x 3.5" hot-swap SAS drive bay with SES2 (Shared)	16x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	16x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	12x 4cm PWM cooling fans; air shroud	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility



11 PCI-E Slots

Mainstream
Supports 2x Passive
GPU or Xeon Phi™

Mainstream



MODEL	SuperServer® SYS-6037R-TXRF	SuperServer® SYS-6037R-72RFT+	SuperServer® SYS-6037R-72RFT SYS-6037R-72RFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• Compute Intensive Storage Environments like Data Deduplication, Replication, Virtual Tape, NAS and IP-SAN	• Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation	• Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation
Outstanding Features	• 980W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN	• 24 DIMM support • Supports 2 passive GPU/ Xeon Phi™ • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN	• 16 DIMM support • SAS 2.0 support • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9DRX+-F	SUPER● X9DR7-TF+	-72RFT: SUPER● X9DRH-7F -72RFT: SUPER● X9DRH-7TF
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8)	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 (4 in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	LSI® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI® 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller	-72RFT: Dual LAN with Intel® i350 Gigabit Ethernet controller -72RFT: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional) 2x 5.25" drive bays	1 slim DVD-ROM drive bay 2x 5.25" drive bays
Power Supply	980W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 1x 8cm exhaust fans with optimal fan speed control	4x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans, optimal fan speed control, and optional GPU fan kit, GPU air shroud, and 2x GPU power extension cables	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility



**Tower Server,
24/7 Operation,
Unparalleled Reliability**



**Whisper-Quiet
25dB**



MODEL	SuperServer® SYS-5038D-i	SuperServer® SYS-5037C-i
Processor Support	Single Intel® 4th Generation Core™ i3/i5/i7 series, Intel® Xeon® processor E3-1200 v3 series	Intel® Xeon® E3-1200 v2 family and 3rd Generation Core™ i3 & Intel® Pentium family processors (LGA 1155, Socket H2)
Key Applications	• Application and data serving • CAD/CAM/CAE • Medical Applications • Oil & Gas • SOHO Entry-Level Server	• SOHO entry-level server, file server
Outstanding Features	• Cost effective & Tool-less design • Cost effective UP platform • Cost optimized • IPMI 2.0 + KVM with dedicated LAN	• Mini-tower formfactor • Tool-less chassis design • 300W Bronze level power supply • Whisper-quiet operation at 25dB • Extremely cost effective
Serverboard	SUPERMIC® X10SLL-F	SUPERMIC® X9SCL
Chipset	Intel® C222 chipset	Intel® C202 PCH chipset
System Memory (Max.)*	Up to 32GB ECC/Non-ECC UDIMM in 4 sockets; DDR3 up to 1600 MHz	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM sockets
Expansion Slots	1 PCI-E 3.0 x8 (in x16 slot); 1 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 2.0 x8 (in x8 slot) 1 PCI-E 2.0 x4 (in x8 slot)
Onboard Storage Controller	Intel® C222 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Intel® C222 controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	6 SATA2 (3Gbps) RAID 0,1,5,10 (Window) Optional RAID 0,1,10 (Linux)
Connectivity	Single LAN with Intel® PHY i217LM; Single LAN with Intel® Ethernet Controller i210AT	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers
VGA/Audio	1 Aspeed AS2400 BMC	Nuvoton Graphics
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	2x 5.25" drive bay 4x 3.5" fixed drive bay	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage
Peripheral Bays	1x standard 5.25" drive bay; 1x 3.5" internal fixed drive bay	2x 5.25" optical drive bays
Power Supply	300W high-efficiency power supply	300W Bronze Level low-noise power supply
Cooling System	1x 9cm (2050 RPM) rear exhaust fan; optional 1x 8cm fan for PCI card cooling	1x rear 9.2cm PWM fan with toolless design; Optional 1 x front 8cm cooling fan
Form Factor	Mid-Tower 14.25" (362mm) x 7.25" (184mm) x 16.75" (425mm)	Mini Tower 362 x 184 x 425mm (14.25" x 7.25" x 16.75")

* Please check with your Supermicro sales representative for compatibility



21dB Whisper-Quiet Tool-Less Design



New! Thunderbolt Support Supports 4 GPU/Xeon Phi™



New! Storage X10 HW SAS3 controller Storage Expandable



MODEL	SuperServer® SYS-5037C-T	SuperServer® SYS-7048GR-TR	SuperStorage SSG-6048R-E1CR24N
Processor Support	Intel® Xeon® E3-1200 v2 family and 3rd Generation Core™ i3 & Intel® Pentium family processors (LGA 1155, Socket H2)	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s
Key Applications	Workstation, multimedia appliance, SOHO entry-level server	- HPC cluster computer nodes - Simulation and Creation Design - Imaging and Computer Vision	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN
Outstanding Features	- Mid-tower form factor - Tool-less chassis design 500W Bronze level low-noise power supply - Whisper-quiet operation at 21dB 2 front USB 2.0 ports - Optional LCD display	1TB DDR4 up to 2133MHz in 16 DIMMs 7.1 HD Audio Header - Thunderbolt AOC support 8x 3.5" hot-swap SATA drive bays - GPU health monitoring with fan speed control - Redundant 2000W Platinum Level power 4x PCI-E 3.0 x16 slots, 2x PCI-E 3.0 x8 (1 in x16), 1x PCI-E 2.0 x4 (in x8)	- LSI 3108 SAS3 HW RAID controller 24x 3.5" Hot-swap SAS3 bays 130W CPU support 24 DIMM support 4x 10G BaseT - Dual JBOD Expansion Ports 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER● X9SCA	SUPER● X10DRG-Q	SUPER● X10SRI-T4+
Chipset	Intel® C204 PCH chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	32GB UDIMM ECC DDR3 1333/1066 SDRAM in 4 DIMM sockets	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB Registered ECC, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 2.0 x 16, 2 PCI-E 2.0 x4 (in x8 slots), 3 PCI-32	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	2 SATA3 (6Gbps); RAID 0, 1 (Window) 4 SATA2 (3Gbps); RAID 0,1,5,10 (Window) RAID 0,1,10 (Linux)	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10;	LSI 3108 SAS3 add-on controller card
Connectivity	Dual LAN with 2 x Intel® 82574L Gigabit Ethernet controllers	Dual LAN with Intel® i350 Gigabit Ethernet Controllers	Quad LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	Nuvoton Graphics	AST2400 VGA	AST2400 VGA
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" HDD Bays 90-degree rotating tool-less hard drive cage 4x 2.5" Internal HDD/SSD bays (optional)	8x Hot-swap 3.5" SAS/SATA Drives	24x 3.5" hot-swap SAS3/SATA3 drive bay, 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	2x 5.25" optical drive bays	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay	N/A
Power Supply	500W Bronze Level low-noise power supply	Redundant 2000W Platinum Level high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	1x rear 12cm (1850rpm) cooling fan; Optional 1 x front 12cm cooling fan	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans	3x 8cm hot-swap redundant PWM cooling fans, 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	Mid Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	4U Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")	4U Rackmount 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



New!
Storage
X10 SAS3 IT mode controller
Storage Expandable



New!
Storage
X10 HW SAS3 controller
Storage Expandable



New!
Storage
X10 HW SAS3 controller
Storage Expandable



MODEL	SuperStorage SSG-6048R-E1CR24L	SuperStorage SSG-6048R-E1CR24H	SuperStorage SSG--6048R-E1CR36N
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s
Key Applications	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN
Outstanding Features	- LSI 3008 SAS3 IT mode controller 24x 3.5" Hot-swap SAS3 bays 130W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports 1280W Platinum Level redundant high-efficiency power supplies	- LSI 3108 SAS3 HW RAID controller 24x 3.5" Hot-swap SAS3 bays 130W CPU support 16 DIMM support - Dual 10G BaseT - Dual JBOD Expansion Ports 1280W Platinum Level redundant high-efficiency power supplies	- LSI 3108 SAS3 HW RAID controller 130W CPU support 24 DIMM support 36x 3.5" Hot-swap SAS3 bays - Dual JBOD Expansion Ports 4x 10GBase-T Ports 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER●® X10SRi-iT	SUPER●® X10SRi-iT	SUPER●® X10SRi-T4+
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB Registered ECC, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	LSI 3008 SAS3 add-on controller card	LSI 3108 SAS3 add-on controller card	LSI 3108 SAS3 add-on controller card
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	24x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	36x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay; 4x 2.5" internal fixed drive bay
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	3x 8cm hot-swap redundant PWM cooling fans, 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans, 2x 80mm rear hot-swap exhaust PWM fan	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")	4U Rackmount 437 x 178 x 673mm (17.2"x7"x26.5")	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")

* Please check with your Supermicro sales representative for compatibility



New!
Storage
X10 SAS3 IT controller
Storage Expandable



New!
Storage
X10 HW SAS3 controller
Storage Expandable



New!
4U UP Storage
SAS 3.0, 36x 3.5" hot-swap HDDs



MODEL	SuperStorage SYS-6048R-E1CR36L	SuperStorage SYS-6048R-E1CR36H	SuperStorage SSG-5048R-E1CR36L
Processor Support	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s	Intel® Xeon® processor E5-2600 v3 series with QPI up to dual 9.6GT/s	Single Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families with QPI up to 9.6 GT/s
Key Applications	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Corporate Database - Data Center - Database Processing & Storage - Enterprise Server - HPC - iSCSI SAN	- Connectivity/Storage Computer Nodes - Database Processing & Storage
Outstanding Features	- SAS3 controller in IT mode 1280W Platinum Level redundant high-efficiency power supplies 130W CPU support 36x 3.5" Hot-swap SAS3 bays - Dual JBOD Expansion Ports - Dual 10G BaseT 16 DIMM support	- LSI 3108 SAS3 HW RAID controller 1280W Platinum Level redundant high-efficiency power supplies 130W CPU support 36x 3.5" Hot-swap SAS3 bays - Dual JBOD Expansion Ports - Dual 10G BaseT 16 DIMM support	- LSI® 3008 controller onboard - Remote management via dedicated IPMI BMC 36x 3.5" Hot-swap SAS3 bays - External port for JBOD connect
Serverboard	SUPER● X10SRH-iT	SUPER● X10DRH-iT	SUPER● X10SRH-CLN4F
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 Express chipset
System Memory (Max.)*	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 1TB Registered ECC, DDR4-2133MHz in 16 DIMM slots	Up to 8x ECC/DDR4 R/LR/U DIMM 1333MHz/1600MHz/2133MHz(1DPC); Up to 256GB RDIMM, 512GB LRDIMM
Expansion Slots	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1 & 2 occupied by controller and JBOD Expansion Port	4x PCI-E 3.0 (x8/4, x16/8, x8) + 2x PCI-E 2.0 (x8/4, x4/2)
Onboard Storage Controller	LSI 3008 SAS3 add-on controller card in IT mode	LSI 3108 SAS3 add-on controller card	LSI® 3008 onboard controller IT mode
Connectivity	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	4x GbE port, 1x dedicated IPMI port
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	36x 3.5" hot-swap SAS3/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays	36x 3.5" hot-swap SAS3/SATA3 drive bays; 2x 2.5" optional rear hot-swap drive bays; 4x 2.5" internal fixed drive bays	36x 3.5" Hot-swap SAS3 bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud	7x 80mm middle cooling fans
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")

* Please check with your Supermicro sales representative for compatibility



New!
4U Standalone/Rackmount /
SAS3, 24 DIMMs



New!
4U Standalone/Rackmount /
SAS3, 7 PCI-E 3.0



New!
4U Standalone/Rackmount /
SAS3, 24 DIMMs, Quad LAN



MODEL	SuperServer® SYS-7048R-TR SYS-7048R-TRT	SuperServer® SYS-7048R-C1R SYS-7048R-C1RT	SuperServer® SYS-7048R-C1R4+ SYS-7048R-C1RT4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Virtualization - Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing)	- Big Data Analytics - Compute Intensive Storage Environments - DataCenter Applications - Simulation & Automation	- Big Data Analytics - Compute Intensive Storage Environments - DataCenter Applications - Simulation & Automation
Outstanding Features	16 DIMM support - Redundant 920W Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN 8x 3.5" hot-swap SATA3 drive bays 2 SATA DOM support with built-in power	2 SATA DOM support with embedded power 16 DIMM sockets 8x 3.5" SATA3/8x 2.5" SAS3 hot-swap drive bays - Redundant 920W Platinum Level high-efficiency - Independent power & cooling control - SATA 3.0 (6Gbps) support - Supports up to 7 expansion cards	2 SATA DOM support with embedded power 24 DIMM sockets 8x 2.5" SAS/8x 3.5" SATA hot-swap drive bays - C1R4+: Redundant 920W Platinum Level power - C1RT4+: Redundant 1000W Titanium Level power - Up to 6 add-on cards
Serverboard	-TR: SUPER● X10DRi -TRT: SUPER● X10DRi-T	-C1R: SUPER● X10DRH-C -C1RT: SUPER● X10DRH-CT	-C1R4+: SUPER● X10DRC-LN4+ -C1RT4+: SUPER● X10DRC-T4+
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	FH, FL support for 1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8 add on cards	FH/FL support for 2 PCI-E 3.0 x16; 3 PCI-E 3.0 x8; 1 PCI-E 2.0 x4 (in x8 slot) add on cards
Onboard Storage Controller	Intel® C612 controller for 8 SATA3 (6Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	-TR: Dual LAN with Intel® i350 Gigabit Ethernet controller; -TRT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-C1R: Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT: Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-C1R4+: Quad LAN with Intel® i350 Gigabit Ethernet Controllers; -C1RT4+: Quad 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA3 drive bays	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives	8x 2.5" 12Gbps SAS3 hot-swap drives in mobile rack and 8x 3.5" 6Gbps SATA3 hot-swap drives (Total 16x hot-swap drive bays)
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive	USB Support: Rear: 2x3.0 + 2x2.0, Front 2x2.0 front, 1x Type A, optional 1x 5.25" DVD-ROM drive
Power Supply	Redundant 920W Platinum Level high-efficiency power supplies with iC & PMBus	Redundant 920W Platinum Level high-efficiency power supplies with iC & PMBus	C1R4+: Redundant 920W Platinum Level high-efficiency power supplies with iC & PMBus C1RT4+: Redundant 1000W Titanium Level high-efficiency power supplies with iC & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap redundant PWM cooling fans; 2x 2x 8cm hot-swap exhaust fans & air shroud	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	Tower/4U Rackmount 453 x 178 x 648mm (17.8" x 7" x 25.5")	Tower/4U Rackmount 437 x 178 x 647mm (17.2" x 7" x 25.5")	Tower/4U Rackmount 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Mainstream



Mainstream



Mainstream



MODEL	SuperServer® SYS-7047R-TRF	SuperServer® SYS-7047R-72RF SYS-7047R-72RFT	SuperServer® SYS-7047R-3RF4+
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Virtualization - Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing)	- Cloud and other virtualization needs - Hosting & Application delivery - Database processing & Storage - Simulation & Automation	- Virtualization - Powerful multi tasking workstation (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	16 DIMM support 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	16 DIMM support - Dual Intel® 10Gb Ethernet ports - SAS 2.0 support 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	24 DIMM support - SAS support 4 LAN ports 920W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DRi-F	-72RF: SUPER [®] X9DRH-7F -72RFT: SUPER [®] X9DRH-7TF	SUPER [®] X9DR3-LN4F+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C606 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 4 SATA3 (6Gbp/s) ports; RAID 0, 1, 10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0, 1, 5, 10	LSI® 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602 SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 and Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C606 controller for 8 SAS/SATA2 (3Gbps) ports; RAID 0,1,10 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet Controller; -72RFT: Dual 10GBase-T with Intel® X540 10GbE Controller	Quad LAN with 2 x Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox G200eW graphics	BMC integrated Matrox G200	BMC integrated Matrox G200
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	6 drives in 8x 3.5" hot-swap SAS/SATA bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module: 2 x 5.25" drive bays & 1x 3.5" drive bays; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive	90-degree rotatable module: 2x 5.25" drive bays & 1x 3.5" drive bay; Optional DVD drive
Power Supply	920W Redundant Platinum Level high-efficiency power supplies with i°C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with i°C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with i°C & PMBus
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 648mm (17.2" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



4U GPU (Active Cooling)
Xeon Phi™/Tesla® Kepler Ready!



4U GPU (Passive Cooling)
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications	• GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications
Outstanding Features	• Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies	• Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPERMICR® X9DRG-QF	SUPERMICR® X9DRG-QF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



11 PCI-E Slots



11 PCI-E Slots



MODEL	SuperServer® SYS-6047R-TXRF	SuperServer® SYS-7047R-TXRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Virtualization - Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing)	- Virtualization - Powerful multi tasking (financial analysis, digital video editing, engineering design, scientific computing)
Outstanding Features	10 PCI-E 3.0 x8 expansion slots 600W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	10 PCI-E 3.0 x8 expansion slots 1280W Redundant Platinum Level Digital high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DRX+-F	SUPER [®] X9DRX+-F
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4	10 PCI-E 3.0 x8 (10 FHFL) 1 PCI-E 2.0 x4
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	90-degree rotatable module 3x 5.25" drive bays 1x slim DVD drive bay (optional)	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	600W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus
Cooling System	1x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control	4x 9cm hot-swap cooling fans and 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 521mm (17.2" x 7" x 20.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



Storage



Storage Expandable



MODEL	SuperStorage SSG-6047R-E1R24N	SuperStorage SSG-6047R-E1R24L
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s
Key Applications	- High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication - Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server	- High Capacity Expandable Storage - Next Generation Copy-on-write file systems - Streaming Media, Data Recording, Video Surveillance - Compliance Storage - Business Continuity - Disk-to-Disk Backup / Archive - Virtual Tape Applications
Outstanding Features	- Offers great performance in the widest number of storage applications 24 DIMM Support - Hardware RAID LSI2108(AOC) 920W Platinum Level (94%+) power supply - Lights-out management - Hardware RAID LSI2108(AOC) - Single JBOD Expansion Port - Dual JBOD expansion ports	- OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity - Dual JBOD Expansion Ports - Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply - Lights-out management
Serverboard	SUPERMIC® X9DRi-LN4F+	SUPERMIC® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Onboard Storage Controller	Hardware RAID LSI® 2108(AOC)	ITMode / HBA LSI® 2308
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
VGA/Audio	BMC integrated Matrox G200	BMC integrated Matrox G200
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5" hot-swap SATA drive bays	24x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
Peripheral Bays	N/A	N/A
Power Supply	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Cooling System	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control	3x 8cm hot-swap cooling fans and 2 x 8cm exhaust fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")	4U Rackmount 437 x 178 x 660mm (17.2" x 7" x 26")

* Please check with your Supermicro sales representative for compatibility



New!
Storage
HW SAS3 controller
Storage Expandable



New!
Storage
SAS3 IT Mode controller
Storage Expandable



MODEL	SuperStorage SSG-6047R-E1CR36N	SuperStorage SSG-6047R-E1CR36L
Processor Support	Intel® Xeon® processor E5-2600v2 series with QPI up to dual 8.0GT/s	Intel® Xeon® processor E5-2600v2 series with QPI up to dual 8.0GT/s
Key Applications	• Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN	• Corporate Database • Data Center • Database Processing & Storage • Enterprise Server • HPC • iSCSI SAN
Outstanding Features	• 1280W Platinum Level redundant high-efficiency power supplies • 130W CPU support • 24 DIMM sockets • Dual JBOD Expansion Ports • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 management with dedicated LAN	• LSI 3008 SAS3 controller in IT Mode • 36x 3.5" Hot-swap SAS3 bays • 130W CPU support • 16 DIMM sockets • 512GB DDR3 SDRAM • Dual JBOD Expansion Ports • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER [®] X9DRi-LN4F+	SUPER [®] X9DRD-EF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 768GB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 24 DIMM slots	Up to 1TB Registered ECC, DDR3-1866MHz 128GB Unbuffered ECC/non-ECC, DDR3-1866MHz in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 PCI-E 3.0 x8 (in x4 slot) Slot 1 & 2 occupied by controller and JBOD Expansion Port	6 PCI-E 3.0 x8 (LP, HL) Slot 1 & 2 occupied by HBA and JBOD Expansion Port
Onboard Storage Controller	LSI 3108 SAS3 add-on controller card	LSI 3008 Add-on controller in IT Mode
Connectivity	2 fast UART 16550 serial; 2 COM Ports (1 rear, 1 header)	Dual LAN with Intel® i350 Gigabit Ethernet Controller
VGA/Audio	BMC integrated Matrox G200	1 VGA
Management	IPMI2.0; SuperDoctor III; Watchdog	IPMI2.0; SuperDoctor III; Watchdog
Drive Bays	36x 3.5" hot-swap SAS3/SATA3 drive bays; Optional 4x 2.5" internal fixed drive bays	36x 3.5" hot-swap SAS3/SATA3 drive bays; Optional rear 2x 2.5" hot-swap drive bay; 4x 2.5" internal fixed drive bay
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1280W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	7x 8cm high-performance PWM fans, air shroud	7x 8cm high-performance PWM fans, air shroud
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")	4U Rackmount 437 x 178 x 699mm (17.2"x7"x27.5")

* Please check with your Supermicro sales representative for compatibility



Double-Sided Storage HW RAID Expandable



(Rear View)

Double-Sided Storage



(Rear View)

Double-Sided Storage



(Rear View)



MODEL	SuperStorage SSG-6047R-E1R36N	SuperStorage SSG-6047R-E1R36L	SuperStorage SSG-6047R-E1R72L SSG-6047R-E1R72L2K
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families Socket R with QPI up to 8GT/s
Key Applications	- High Capacity Expandable storage with HW RAID. Compute Intensive Storage Applications, Data Deduplication - Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server	- High Capacity Expandable Storage - Next Generation Copy-on-write file systems - Streaming Media, Data Recording, Video Surveillance - Compliance Storage - Business Continuity - Disk-to-Disk Backup / Archive - Virtual Tape Applications	- CDN - Media/Streaming - NAS and IP-SAN - Unstructured Data Storage - Virtual Tape
Outstanding Features	- Offers great performance in the widest number of storage applications 24 DIMM Support - Hardware RAID LSI2108(AOC) 1280W Redundant Platinum Level Digital (95%) power supply - Lights-out management - Dual JBOD expansion ports	- Dual JBOD Expansion Ports - Quad LAN with Intel® i350 Gigabit Ethernet Controller - Up to 95% Power Efficiency - Lights-out management - Lowest Cost Per TB when fully loaded with High capacity SATA HDDs - High Density Double-sided Storage	130W CPU support 16 DIMM sockets - Cost optimized - IT Mode/HBA Supports up to 72 HDD/SSD
Serverboard	SUPERMICR® X9DRi-LN4F+	SUPERMICR® X9DRD-7LN4F-JBOD	SUPERMICR® X9DRD-7LN4F-JBOD
Chipset	Intel® C602 chipset	Intel® C602J Chipset	Intel® C602J Chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Low-profile)	2x slots occupied by IT Mode disk controllers LSI 2308; 4x Low profile slots available
Onboard Storage Controller	Hardware RAID LSI® 2108(AOC)	ITMode / HBA LSI® 2308	Intel® C602J AHCI controller for 2 SATA3 (6Gbps) ports; RAID 4SATA2 (3Gbps) 0,1,5,10; LSI® 2308 controller for 8 SAS2 (6Gbps) ports; RAID (for -7(J) LN4F only); Optional IT Mode JBOD HDD support (-J SKU);
Connectivity	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports	Quad LAN with Intel® i350 Gigabit Ethernet Controllers;
VGA/Audio	BMC integrated Matrox G200	BMC integrated Matrox G200	Nuvoton WPCM450 BMC
Management	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Drive Bays	36x 3.5" hot-swap SAS/SATA drive bays	36x 3.5" hot-swap SAS/SATA drive bays	72x 3.5" hot-swap SAS2/SATA3 drive bays with SES2 and 2x 2.5" rear hot swap drive bays + 2x 2.5" Internal fixed drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital (95%) high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	-E1R72L: 3x 1280W Redundant (2+1) Platinum Level Digital high-efficiency power supplies with PMBus -E1R72L2K: 2x 2000W Redundant (1+1) Platinum Level Digital high-efficiency power supplies with PMBus
Cooling System	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	7x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	7x 92mm hot-swap fan
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 889mm (17.2" x 7" x 35")

* Please check with your Supermicro sales representative for compatibility



4U 8-GPU
Xeon Phi™/Tesla® Kepler Ready!



4U 8-GPU
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-4027GR-TR	SuperServer® SYS-4027GR-TRT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- Cloud Computing with GPUs - GRID Certified Solution - HPC	- Cloud Computing with GPUs - GRID Certified Solution - HPC
Outstanding Features	- Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U 300W GPU / Xeon® Phi™ cards supported 150W CPUs supported - Highest memory capacity- 24 DIMMss - GbE / 10GbE option - Flexible expansion slots (2+2) Redundant 1600W Platinum Level power supplies	- Highest GPU density- 8 GPU / Xeon® Phi™ cards in 4U 300W GPU / Xeon® Phi™ cards supported 150W CPUs supported - Highest memory capacity- 24 DIMMss - GbE / 10GbE option - Flexible expansion slots (2+2) Redundant 1600W Platinum Level power supplies
Serverboard	SUPER● X9DRG-OF-CPU, X9DRG-O-PCIE	SUPER● X9DRG-OTF-CPU, X9DRG-O-PCIE
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots
Expansion Slots	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)	8x PCI-E 3.0 x16 FHFL support up to 8 double width GPU cards 2x PCI-E 3.0 x8 (in x16) 1x PCI-E 2.0 x4 (in x16)
Onboard Storage Controller	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10	Intel® C602 SCU controller for 4 SATA2 (6Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Dual 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	24x 2.5" hot-swap SAS/SATA/SSD bays	24x 2.5" hot-swap SAS/SATA/SSD bays
Peripheral Bays	N/A	N/A
Power Supply	1600W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1600W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control	8x 92mm heavy duty counter-rotating fans with air shroud & optimal fan speed control
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")

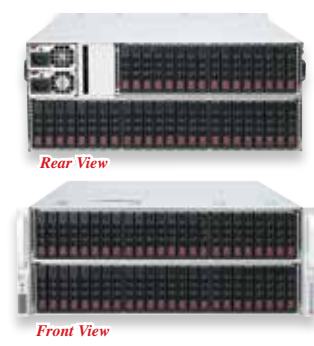
* Please check with your Supermicro sales representative for compatibility



High-Density Double-Sided Storage



High-Density Double-Sided Storage



MODEL	SuperStorage CSE-417E16-RJBOD2	SuperStorage CSE-417E26-RJBOD1
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging	Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging
Outstanding Features	- High-Density Double-Sided Storage 88x 2.5" HDDs (SAS/Enterprise SATA) - Redundant (1+1) Gold Level power supplies - Redundant Cooling System - Single/Dual connection 6Gbps SAS Expanders - Bundled with all necessary JBOD components (Power control card & cabling)	- High-Density Double-Sided Storage 88x 2.5" HDDs (SAS/Enterprise SATA) - Redundant (1+1) Gold Level power supplies - Redundant Cooling System - Single/Dual connection 6Gbps SAS Expanders - Bundled with all necessary JBOD components (Power control card & cabling)
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	4-port cable	4-port cable
Connectivity/VGA/Audio	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Management	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Drive Bays	88x 2.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs	88x 2.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus
Cooling System	7x 8cm hot-swap cooling fans, 100% Redundant Cooling	7x 8cm hot-swap cooling fans, 100% Redundant Cooling
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")

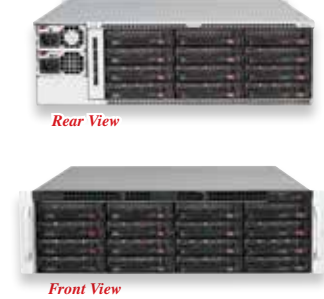
* Please check with your Supermicro sales representative for compatibility



High-Density Double-Sided Storage



High-Density Double-Sided Storage



MODEL	SuperStorage CSE-847E16-RJBOD1 CSE-847E26-RJBOD1	SuperStorage CSE-837E16-RJBOD1 CSE-837E26-RJBOD1
Processor Support	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Key Applications	Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging	Corporate Database, Data Warehouse, Media/Streaming, Video-on-Demand, iSCSI, Security, Digital Imaging
Outstanding Features	- High-Density Double-Sided Storage 45x 3.5" HDDs (SAS/Enterprise SATA) - Redundant (1+1) Gold Level power supplies - Redundant Cooling System - Single/Dual connection 6Gbps SAS Expanders - Bundled with all necessary JBOD components (Power control card & cabling)	- High-Density Double-Sided Storage 28x 3.5" HDDs (SAS/Enterprise SATA) - Redundant (1+1) Platinum Level power supplies - Redundant Cooling System - Single/Dual connection 6Gbps SAS Expanders - Bundled with all necessary JBOD components (Power control card & cabling)
Serverboard/Chipset	N/A (please refer to Server Model)	N/A (please refer to Server Model)
System Memory (Max.)*	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Expansion Slots	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Onboard Storage Controller	4-port cable for CSE-847E16-RJBOD1 and CSE-847E26-RJBOD1 models	4-port cable for CSE-837E16-RJBOD1 and CSE-837E26-RJBOD1 models
Connectivity/VGA/Audio	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Management	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Drive Bays	45x 3.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs	28x 3.5" hot-swap SAS/Enterprise SATA drive bays & Cascading up to 240 HDDs
Peripheral Bays	N/A (please refer to Server Model)	N/A (please refer to Server Model)
Power Supply	1400W Redundant Gold Level power supplies with PMBus built-in & power control card with I ² C & PMBus	920W Redundant Platinum Level power supplies with PMBus built-in & power control card with I ² C & PMBus
Cooling System	7x 8cm hot-swap cooling fans, 100% Redundant Cooling	3x 8cm hot-swap cooling fans, Redundant Cooling
Form Factor	4U Rackmount 437 x 178 x 699mm (17.2" x 7" x 27.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative for compatibility



Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

TwinPro™

Up to 4 PCI-E SSDs • Four or Two Hot-Pluggable Nodes in 2U

Supports up to: • 36 Cores and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs • **SAS 3.0** (12Gbps) • **NVMe** • 12 HDDs/Node
• FDR (56Gbps) InfiniBand/40G Ethernet • 10GBase-T • Redundant **Titanium Level Digital** Power Supplies



(Rear View)

TwinPro™



SYS-2028TP-DNC/(T)(F)R

Up to 4x NVMe + 8x SAS 3.0 drives (per node)



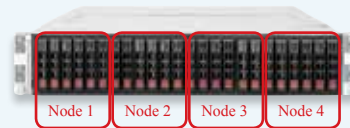
SYS-6028TP-DNC/(T)(F)R

Up to 4x NVMe + 2x SAS 3.0 drives (per node), or
Up to 6x SAS 3.0 support (per node)



(Rear View)

TwinPro2™



SYS-2028TP-H Series

4 DP Nodes in 2U, 24x 2.5" SAS/SATA drives



SYS-6028TP-H Series

4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

Four or Two hot-pluggable Systems (Nodes) in a 2U form factor



The Supermicro Twin SuperServer® systems are a family of high-density 2U hot-plug node servers available with a variety of memory capacities, HDD technologies, PCI alternatives, networking capabilities, and GPU support options. The TwinPro™ systems support up to: 1TB of DDR4-2133MHz ECC LR DIMM memory in 16 DIMM slots, 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8, and 1 PCI-E 3.0 x16 "0" slot, GPU/Xeon Phi™ support, 8 ports of LSI® 3008/3108 **SAS 3.0** (12Gbps) with optional SuperCap (CacheVault), 8 ports of SATA 3.0 (6Gbps), up to 4 **NVMe**, Single FDR (56Gbps) InfiniBand/40G Ethernet, dual 10GBase-T, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor **E5-2600 v3** product family up to 36 cores per node per node and 145W TDP.

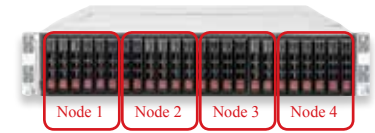
The Supermicro Twin Family represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The 2U TwinPro™ family extends the compute and storage capabilities of Supermicro's 2U Twin and 1U Twin family SuperServer® systems to achieve increased performance and power efficiency. Due to their shared components the Twin Family products improve cost-effectiveness and reliability over rackmount servers, while their modular architecture make them flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the Twin Servers to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.

New! 2U TwinPro²™

4 hot-swap nodes in 2U w/ 2.5" or 3.5" HDDs

New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



SYS-2028TP-H Series
4 DP Nodes in 2U, 24x 2.5" SAS3/SATA drives

MODEL	SuperServer® SYS-2028TP-HC1R SYS-2028TP-HC1TR SYS-2028TP-HC1FR	SuperServer® SYS-2028TP-HC0R SYS-2028TP-HC0TR SYS-2028TP-HC0FR	SuperServer® SYS-2028TP-HTR SYS-2028TP-HTTR SYS-2028TP-HTFR
Processor Support	Quad set of dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• 1 Low-profile PCI-E 3.0 x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB	• 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB	• 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays • SAS 3.0, 40G Ethernet, FDR IB
Serverboard	-HC1R: SUPER● X10DRT-P -HC1TR: SUPER● X10DRT-PT -HC1FR: SUPER● X10DRT-PIBF	-HC0R: SUPER● X10DRT-P -HC0TR: SUPER● X10DRT-PT -HC0FR: SUPER● X10DRT-PIBF	-HTR: SUPER● X10DRT-P -HTTR: SUPER● X10DRT-PT -HTFR: SUPER● XX10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of LSI® 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50 w/ optional SuperCap	Quad set of LSI® 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Intel® C612 AHCI controller for 6 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies with i°C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with i°C & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with i°C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

New! 2U TwinPro²TM

4 hot-swap nodes in 2U w/ 3.5" HDDs

New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



SYS-6028TP-H Series
4 DP Nodes in 2U, 12x 3.5" SAS3/SATA3 drives

MODEL	SuperServer® SYS-6028TP-HC1R SYS-6028TP-HC1TR SYS-6028TP-HC1FR	SuperServer® SYS-6028TP-HC0R SYS-6028TP-HC0TR SYS-6028TP-HC0FR	SuperServer® SYS-6028TP-HTR SYS-6028TP-HTTR SYS-6028TP-HTFR
Processor Support	Quad set of Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR	• 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR	• 1 Low-profile PCI-E 3.0 x16 slot + 0 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays • SAS3, 10G, 40G Ethernet, FDR
Serverboard	-HC1R: SUPER [®] X10DRT-P -HC1TR: SUPER [®] X10DRT-PT -HC1FR: SUPER [®] X10DRT-PIBF	-HC0R: SUPER [®] X10DRT-P -HC0TR: SUPER [®] X10DRT-PT -HC0FR: SUPER [®] X10DRT-PIBF	-HTR: SUPER [®] X10DRT-P -HTTR: SUPER [®] X10DRT-PT -HTFR: SUPER [®] X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E 3.0 x16	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E 3.0 x16; 1 x16 "0 slot"
Onboard Storage Controller	Quad set of LSI® 3108 HW RAID SAS 3.0 (12Gbps); RAID 0,1,5,10 w/ optional SuperCap	Quad set of LSI® 3008 SW RAID 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of Intel® C612 AHCI controller for 3 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-HC1R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC1TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC1FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HC0R: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HC0TR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HC0FR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-HTR: Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -HTTR: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -HTFR: Quad set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SATA drive bays
Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies with iC & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with iC & PMBus	Redundant 2000W Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility

New! 2U TwinPro™

2 hot-swap nodes in 2U w/ 2.5" HDDs
New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



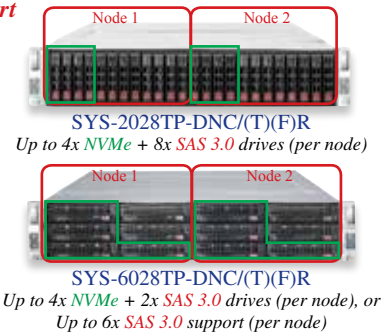
SYS-2028TP-D Series
2 DP Nodes in 2U, 24x 2.5" SAS3/SATA3 drives

MODEL	SuperServer® SYS-2028TP-DC1R SYS-2028TP-DC1TR SYS-2028TP-DC1FR	SuperServer® SYS-2028TP-DC0R SYS-2028TP-DC0TR SYS-2028TP-DC0FR	SuperServer® SYS-2028TP-DTR SYS-2028TP-DTTR SYS-2028TP-DTFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Xeon Phi or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support	• Up to 2 Low Profile Add-On-Cards + 0 slot • Redundant 1280W Platinum Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support • (Full size) mSATA support	• Up to 2 Low Profile Add-On-Cards • Redundant 1280W Platinum Level high-efficiency power supplies • GPU/Xeon Phi or one x16 Internal slot Support • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • (Full size) mSATA support
Serverboard	-DC1R: SUPER● X10DRT-P -DC1TR: SUPER● X10DRT-PT -DC1FR: SUPER● X10DRT-PIBF	-DC0R: SUPER● X10DRT-P -DC0TR: SUPER● X10DRT-PT -DC0FR: SUPER● X10DRT-PIBF	-DTR: SUPER● X10DRT-P -DTTR: SUPER● X10DRT-PT -DTFR: SUPER● X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Onboard Storage Controller	Twin set of SAS3 LSI® 3108 HW RAID (12Gbps); RAID 0,1,5,6,10,50,60 w/ optional SuperCap	Twin set of LSI® 3008 SAS 3.0 12Gbps controller; SW RAID 0,1,10	Twin set of Intel® C612 controller for 8 SATA3 (6Gbps); RAID 0,1,5,10
Connectivity	-DC1R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC1TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC1FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DC0R: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DC0TR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DC0FR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet	-DTR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DTTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DTFR: Twin set of FDR (Connect-X3) InfiniBand / 40G Ethernet
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Twin set of 8x 2.5" hot-swap SATA drive bays
Power Supply	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I²C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I²C & PMBus	Redundant 1280W Platinum Level Digital high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

New! 2U TwinPro™

2 hot-swap nodes in 2U w/ up to 4 NVMe per Node
New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



MODEL	SuperServer® SYS-2028TP-DNCR SYS-2028TP-DNCTR SYS-2028TP-DNCFR	SuperServer® SYS-6028TP-DNCR SYS-6028TP-DNCTR SYS-6028TP-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support	• NVMe support • Up to 2 Low Profile Add-On-Cards • Redundant 1600W Titanium Level high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	-DNCR: SUPER● X10DRT-P -DNCTR: SUPER● X10DRT-PT -DNCFR: SUPER● X10DRT-PIBF	-DNCR: SUPER● X10DRT-P -DNCTR: SUPER● X10DRT-PT -DNCFR: SUPER● X10DRT-PIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of LSI® 3008 SAS 3.0 (12Gbps); RAID 0,1,10	Twin set of LSI® 3008 SAS 3.0 (12Gbps); RAID 0,1,10
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set 4x NVMe + 8x SAS 3.0 drives	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node); or, up to 6x SAS3 support
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with i°C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with i°C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility

New! Twin

Cost-Optimized, 2 hot-swap nodes in 2U w/ 12x 3.5" HDDs
New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



(Rear View)



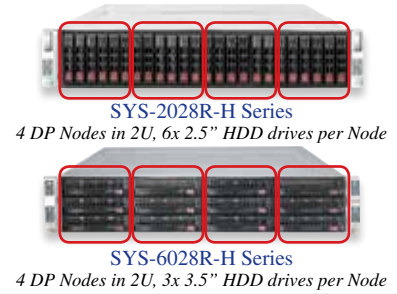
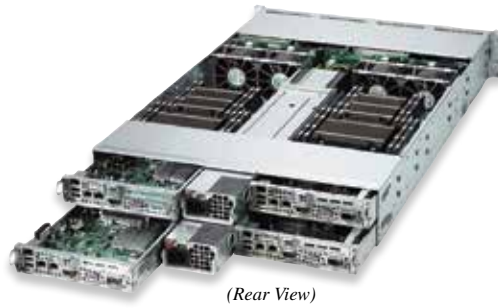
2 DP Nodes in 2U, 6x 3.5" HDD drives per Node

MODEL	SuperServer® SYS-6028TR-DTR	SuperServer® SYS-6028TR-D72R
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Twin set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Data Center • Web Server • HPC • Virtualization	• Data Center • Web Server • HPC • Virtualization
Outstanding Features	• 512GB DDR4 SDRAM • IPMI 2.0 + KVM with dedicated LAN • 2x SATA-DOM • 2 hot-swappable nodes in 2U • 1280W Platinum Level redundant high-efficiency power supplies	• LSI® 2208 • 512GB DDR4 SDRAM • IPMI 2.0 + KVM with dedicated LAN • 2x SATA-DOM • 2 hot-swappable nodes in 2U • 1280W Platinum Level redundant high-efficiency power supplies
Serverboard	SUPER● X10DRT-H	SUPER● X10DRT-H
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Twin set of up to 512GB Registered ECC, DDR4-2133MHz in 8 DIMM slots	Twin set of up to 512GB Registered ECC, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)	Twin set of 2x PCI-E 3.0 x8 (FHHL); 1x PCI-E 3.0 x8 (LP)
Onboard Storage Controller	Twin set of Intel® C612 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1	Twin set of SAS2 (6Gbps) via LSI 2208; HW RAID supports 0, 1, 5, 6, 10, 50
Connectivity	Twin set of Dual sets of dual LAN with Intel I350 Gigabit Ethernet controller	Twin set of Dual sets of dual LAN with Intel I350 Gigabit Ethernet controller
VGA/Audio	Twin set of AST2400 VGA	Twin set of AST2400 VGA
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SAS2/SATA3 (LSI 2208) HDDs	Twin set of 6x 3.5" hot-swap SAS2/SATA3 (LSI 2208) HDDs
Power Supply	Redundant 1280W Platinum Level high-efficiency power supplies with I²C & PMBus	Redundant 1280W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility

New! Twin²

Cost-Optimized, 4 hot-swap nodes in 2U w/ 12x 3.5" and 24x 2.5" HDDs
New! Intel® Xeon® E5-2600 v3 (Haswell) product family support



MODEL	SuperServer® SYS-6028TR-HTR SYS-6028TR-HTFR	SuperServer® SYS-2028TR-H72R SYS-2028TR-H72FR
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s; CPU TDP support Up to 145W
Key Applications	• Data Center • Web Server • HPC • Virtualization	• Data Center • Web Server • HPC • Virtualization
Outstanding Features	• 1600W Redundant Titanium Level high-efficiency power supplies • 512GB DDR4 SDRAM • IPMI 2.0 + KVM with dedicated LAN • 2x SATA-DOM • 4 hot-swappable nodes in 2U	• LSI 2208 • 1600W Redundant Titanium Level high-efficiency power supplies • 512GB DDR4 SDRAM • IPMI 2.0 + KVM with dedicated LAN • 2x SATA-DOM • 4 hot-swappable nodes in 2U
Serverboard	-HTR: SUPER● X10DRT-H -HTFR: SUPER● X10DRT-HIBF	-H72R: SUPER● X10DRT-H -H72FR: SUPER● X10DRT-HIBF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 512GB Registered ECC, DDR4-2133MHz in 8 DIMM slots	Quad set of up to 512GB Registered ECC, DDR4-2133MHz in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 Low-profile	Quad set of 1 PCI-E 3.0 x16 Low-profile
Onboard Storage Controller	Quad set of Intel® C612 controller for 3 SATA3 (6 Gbps) ports; RAID 0,1	Quad set of SAS2 (6Gbps) via LSI® 2208; HW RAID supports 0,1,5,6,10,50
Connectivity	-HTR: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -HTFR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR	-H72R: Quad set of dual LAN with Intel® i350 dual Gigabit Ethernet LAN -H72FR: Quad set of dual LAN with Mellanox ConnectX3 single port FDR
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA3 HDDs	Quad set of 6x 2.5" hot-swap SAS2 HDDs
Power Supply	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus	Redundant 1600W Titanium Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 80mm heavy duty fans with PWM fan speed control	4x 80mm heavy duty fans with PWM fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro²™

2U TwinPro²™

2U TwinPro²™



MODEL	SuperServer® SYS-2027PR-HTR SYS-2027PR-HTTR SYS-2027PR-HTFR	SuperServer® SYS-2027PR-HC0R SYS-2027PR-HC0TR SYS-2027PR-HC0FR	SuperServer® SYS-2027PR-HC1R SYS-2027PR-HC1TR SYS-2027PR-HC1FR
Processor Support	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 6 hot-swap 2.5" SATA/SAS drive bays
Serverboard	-HTR: SUPER [®] X9DRT-P -HTTR: SUPER [®] X9DRT-PT -HTFR: SUPER [®] X9DRT-PIBF	-HC0R: SUPER [®] X9DRT-P -HC0TR: SUPER [®] X9DRT-PT -HC0FR: SUPER [®] X9DRT-PIBF	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16;
Onboard Storage Controller	Quad set of Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Quad set of LSI® 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of LSI® 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50
Connectivity	-HTR: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC0R: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC1R: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Nuvoton WPCM450 BMC	Quad set of Nuvoton WPCM450 BMC	Quad set of Nuvoton WPCM450 BMC
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I°C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro²™

2U TwinPro²™

2U TwinPro²™



TwinPro²™/Twin

MODEL	SuperServer® SYS-6027PR-HTR SYS-6027PR-HTTR SYS-6027PR-HTFR	SuperServer® SYS-6027PR-HC0R SYS-6027PR-HC0TR SYS-6027PR-HC0FR	SuperServer® SYS-6027PR-HC1R SYS-6027PR-HC1TR SYS-6027PR-HC1FR
Processor Support	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays	• 1 Low-profile PCI-E x16 slot • 4 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • Quad set of 3 hot-swap 3.5" SATA/SAS drive bays
Serverboard	-HTR: SUPER [®] X9DRT-P -HTTR: SUPER [®] X9DRT-PT -HTFR: SUPER [®] X9DRT-PIBF	-HC0R: SUPER [®] X9DRT-P -HC0TR: SUPER [®] X9DRT-PT -HC0FR: SUPER [®] X9DRT-PIBF	-HC1R: SUPER [®] X9DRT-P -HC1TR: SUPER [®] X9DRT-PT -HC1FR: SUPER [®] X9DRT-PIBF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16; 1 x16 "0 slot"	Quad set of low-profile PCI-E x16
Onboard Storage Controller	Quad set of Intel [®] C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Quad set of LSI [®] 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Quad set of LSI [®] 3108 SAS 3.0 (12Gbps); RAID 0,1,5,10
Connectivity	-HTR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HTTR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HTFR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC0R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC0TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC0FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector	-HC1R: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; -HC1TR: Quad set of Dual LAN with Intel [®] X540 10GBase-T Ethernet Controller; -HC1FR: Quad set of Dual LAN with Intel [®] Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Quad set of Nuvoton WPCM450 BMC	Quad set of Nuvoton WPCM450 BMC	Quad set of Nuvoton WPCM450 BMC
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays
Power Supply	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")

* Please check with your Supermicro sales representative for compatibility



2U TwinPro™
GPU Support



2U TwinPro™



2U TwinPro™
GPU Support



MODEL	SuperServer® SYS-2027PR-DTR SYS-2027PR-DTTR SYS-2027PR-DTFR	SuperServer® SYS-2027PR-DC0R SYS-2027PR-DC0TR SYS-2027PR-DC0FR	SuperServer® SYS-2027PR-DC1R SYS-2027PR-DC1TR SYS-2027PR-DC1FR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • 8x 2.5" SATA drives • IPMI 2.0 + KVM with dedicated LAN	• 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN	• 1280W Redundant Platinum Level Digital high-efficiency power supplies • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN
Serverboard	-DTR: SUPER® X9DRT-P -DTTR: SUPER® X9DRT-PT -DTFR: SUPER® X9DRT-PIBF	-DC0R: SUPER® X9DRT-P -DC0TR: SUPER® X9DRT-PT -DC0FR: SUPER® X9DRT-PIBF	-DC1R: SUPER® X9DRT-P -DC1TR: SUPER® X9DRT-PT -DC1FR: SUPER® X9DRT-PIBF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/ non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 1 "0 slot"	Twin set of 1 PCI-E 3.0 x16 1 PCI-E 3.0 x8 GPU support
Onboard Storage Controller	Twin set of Intel® C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Twin set of LSI® 3008 12Gbps SAS 3.0 controller; RAID 0,1,10	Twin set of LSI® 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50
Connectivity	-HTR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -HTTR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -HTFR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC0R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC0TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC0FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector	-DC1R: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; -DC1TR: Twin set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller; -DC1FR: Twin set of Dual LAN with Intel® Ethernet Controller i350-AM2; 1 M, QSFP connector
VGA/Audio	Twin set of Nuvoton WPCM450 BMC	Twin set of Nuvoton WPCM450 BMC	Twin set of Nuvoton WPCM450 BMC
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 8x 2.5" hot-swap SATA drive bays	Twin set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays	Quad set of 12x 2.5" hot-swap (8x SAS + 4x SATA) drive bays
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



**NVMe,
2U TwinPro™**



**NVMe, Dual 10GbE,
2U TwinPro™**



TwinPro™/Twin

MODEL	SuperServer® SYS-6027PR-DNCR SYS-6027PR-DNCTR SYS-6027PR-DNCFR	SuperServer® SYS-2027PR-DNCR SYS-2027PR-DNCTR SYS-2027PR-DNCFR
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
Key Applications	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical	• Compute Intensive Application • Data Center • Enterprise Server • Financial Analysis • HPC • Mission-Critical
Outstanding Features	• NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 12x 3.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support	• NVMe support • 1 Low-profile PCI-E x16 slot • 1 PCI-E x8 slot • 1280W Platinum Level redundant high-efficiency power supplies • 24x 2.5" HDD drives • 2 hot swappable nodes in 2U • IPMI 2.0 + KVM with dedicated LAN • SAS 3.0 (12Gbps) support
Serverboard	SUPER● X9DRT-P	SUPER● X9DRT-P
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8	Twin set of 1 PCI-E 3.0 x16, 1 PCI-E 3.0 x8
Onboard Storage Controller	Twin set of LSI® 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50	Twin set of LSI® 3108 SAS 3.0 (12Gbps); RAID 0,1,5,6,10,50
Connectivity	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet	-DNCR: Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; -DNCTR: Twin set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector; -DNCFR: Twin set of FDR (Connect-X3) / 40G Ethernet
VGA/Audio	Twin set of Matrox® G200eW	Twin set of Matrox® G200eW
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap drive bays. Up to 4x NVMe + 2x SAS 3.0 drives (per node), or, Up to 6x SAS3 support (per node)	Twin set 4x NVMe + 8x SAS 3.0 drives (per node)
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with i°C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with i°C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud and optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 762mm (17.25" x 3.47" x 30")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



**2UTwin²
16 DIMMs/2.5" HDDs**



**2UTwin²
16 DIMMs/3.5" HDDs**



2UTwin² 2.5" HDDs



MODEL	SuperServer [®] SYS-2027TR-H70RF+ SYS-2027TR-H71RF+ SYS-2027TR-H72RF+ SYS-2027TR-HTRF+	SuperServer [®] SYS-6027TR-H70RF+ SYS-6027TR-H71RF+ SYS-6027TR-HTRF+	SuperServer [®] SYS-2027TR-H(T/70/71/72)RF SYS-2027TR-H(T/70/71/72)QRF SYS-2027TR-H(T/70/71/72)FRF
Processor Support	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel [®] Xeon [®] Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	HPC cluster computer nodes, datacenter, data farm, front-end server and other computing intensive applications
Outstanding Features	- Up to 24x 2.5" drives - Hot-swappable computing modules - More than double computing density and efficiency - Independent power & cooling control - IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies	12x 3.5" drives - Hot-swappable computing modules - More than double computing density and efficiency - Independent power & cooling control - IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies	24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard - Hot-swappable computing modules - More than double computing density and efficiency - Independent power & cooling control - IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER [®] X9DRT-HF+	SUPER [®] X9DRT-HF+	-H(T/70/71/72)RF: SUPER [®] X9DRT-HF -H(T/70/71/72)QRF: SUPER [®] X9DRT-HIBQF -H(T/70/71/72)FRF: SUPER [®] X9DRT-HIBFF
Chipset	Intel [®] C602 chipset	Intel [®] C602 chipset	Intel [®] C602 chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of Micro low-profile PCI-E x8	Quad set of Micro low-profile PCI-E x16	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)
Onboard Storage Controller	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10 -H72: Quad set of LSI [®] 2208 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of LSI [®] 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of LSI [®] 2008 8-port 6Gbps SAS2 controller; RAID 0,1,10	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps) and 1 SATA2 ports; RAID 0,1,5 -H71: Quad set of LSI [®] 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Twin set of LSI [®] 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Quad set of Intel [®] C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -H72: Quad set of LSI [®] 2208 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71: Quad set of LSI [®] 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70: Quad set of LSI [®] 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10 with optional KEY for RAID 5
Connectivity	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel [®] i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 2027TR-H(T/70/71/72)FRF)
VGA/Audio	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic	Quad set of Matrox [®] G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor [®] 5, Watchdog
Drive Bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Quad set of 6x 2.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iPC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

* Please check with your Supermicro sales representative for compatibility



2UTwin® 3.5" HDDs

2UTwin
16 DIMMs/ 2.5" HDDs

DCO Twin
Data Center Optimized



TwinPro™/Twin

MODEL	SuperServer® SYS-6027TR-H(T/70/71)RF SYS-6027TR-H(T/70/71)QRF SYS-6027TR-H(T/70/71)FRF	SuperServer® SYS-2027TR-D70RF+	SuperServer® SYS-6027TR-D70RL SYS-6027TR-D71RL
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s; up to 95Watt CPU
Key Applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- Application and data serving - Data Center - Data Farm - HPC cluster computer nodes
Outstanding Features	12x 3.5" drives 56Gbps/40Gbps InfiniBand controller onboard - Hot-swappable computing modules - More than double computing density and efficiency - Independent power & cooling control - IPMI 2.0 + KVM w/ dedicated LAN 1620W Redundant Platinum Level high-efficiency power supplies	- Up to 24x 2.5" drives - Best performance-per-watt - Hot-swappable computing modules - LSI® 2008 6Gbps SAS RAID - IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital power supplies	- Cost optimized - Hot-swappable computing modules - IPMI 2.0 + KVM with dedicated LAN - Optimized for Power Saving and Improved Cooling - Up to 3 add-on cards 500W/740W Redundant Platinum Level high-efficiency power supplies
Serverboard	-H(70/71)TRF: SUPER® X9DRT-HF -H(70/71)QRF: SUPER® X9DRT-HIBQF -H(70/71)FRF: SUPER® X9DRT-HIBFF	SUPER® X9DRT-HF+	SUPER® X9DRT-HF
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)	Twin set of Micro low-profile PCI-E 3.0 x16	Twin set of 3 PCI-E 3.0 x8 via riser card. (2 FHHL, 1 LP)
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps), 1 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5 -H71: Quad set of LSI® 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70: Quad set of LSI® 2008 3-port 6Gbps SAS2 controller; RAID 0,1	Twin set of Intel® C602 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI® 2008 6Gbps SAS2 expander; IT Mode	Intel® C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10; -D70RL: Twin set of Intel® C602 SCU controller for 1 SATA2 (3Gbps) ports; -D70RL: Twin set of LSI® 2008 controller for 6 SAS2 ports; RAID 0,1,10; -D71RL: Twin set of LSI® 2108 controller for 6 SAS2 ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)QRF) Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/QSFP connector (for 6027TR-H(T/70/71)FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 3x 3.5" hot-swap SAS/SATA drive bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with i°C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with i°C & PMBus	500W/740W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



MODEL	SuperServer® SYS-6027TR-DTRF+	SuperServer® SYS-6027TR-D70RF+	SuperServer® SYS-6027TR-D71RF+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications
Outstanding Features	12x 3.5" drives - Hot-swappable computing modules - IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies	12x 3.5" drives - Hot-swappable computing modules - IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies	12x 3.5" drives - Hot-swappable computing modules - IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	SUPER [®] X9DRT-HF+	SUPER [®] X9DRT-HF+	SUPER [®] X9DRT-HF+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x8	Twin set of Micro low-profile PCI-E x16
Onboard Storage Controller	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI® 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10	Twin set of Intel® C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI® 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50
Connectivity	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphic
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with iC & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



2UTwin
2.5" HDDs



2UTwin
3.5" HDDs



TwinPro™/Twin

MODEL	SuperServer® SYS-2027TR-D70RF SYS-2027TR-D70QRF SYS-2027TR-D70FRF	SuperServer® SYS-6027TR-D(T/70/71)RF SYS-6027TR-D(T/70/71)QRF SYS-6027TR-D(T/70/71)FRF
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications	- HPC cluster computer nodes - Datacenter, data farm - Front-end server and other computing intensive applications
Outstanding Features	24x 2.5" drives 56Gbps/40Gbps InfiniBand controller onboard - Best performance-per-watt - Hot-swappable computing modules - LSI® 2008 6Gbps SAS RAID - IPMI 2.0 + KVM w/ dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies	12x 3.5" drives - Hot-swappable computing modules 56Gbps/40Gbps InfiniBand controller onboard - IPMI 2.0 + KVM with dedicated LAN 1280W Redundant Platinum Level Digital high-efficiency power supplies
Serverboard	-D70RF: SUPER® X9DRT-HF -D70QRF: SUPER® X9DRT-HIBQF -D70FRF: SUPER® X9DRT-HIBFF	-D(T/70/71)RF: SUPER® X9DRT-HF -D(T/70/71)QRF: SUPER® X9DRT-HIBQF -D(T/70/71)FRF: SUPER® X9DRT-HIBFF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)
Onboard Storage Controller	Twin set of Intel® C602 controller for 1 SATA DOM (3Gbps) ports Twin set of LSI® 2008 6Gbps SAS2 expander; IT Mode, 12 drives per node	Twin set of Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -D71: Twin set of LSI® 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50 -D70: Twin set of LSI® 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10
Connectivity	Twin set of Dual LAN with i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 2027TR-D70QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 2027TR-D70FRF)	Twin set of Dual LAN with Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6027TR-H(T/70/71)QRF) Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector (for 6027TR-D(T/70/71)FRF)
VGA/Audio	Twin set of Matrox® G200eW graphic	Twin set of Matrox® G200eW graphics
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 12x 2.5" hot-swap SAS/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I²C & PMBus
Cooling System	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
Form Factor	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

* Please check with your Supermicro sales representative for compatibility



1U Twin™



1U Twin™



MODEL	SuperServer® SYS-1027TR-TF SYS-1027TR-TQF SYS-1027TR-TFF	SuperServer® SYS-6017TR-TF SYS-6017TR-TQF SYS-6017TR-TFF
Processor Support	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
Key Applications	- HPC cluster computer nodes - Data Center - Data Farm - Front-end Server and other Computing Intensive Applications	- HPC cluster computer nodes - Data Center - Data Farm - Front-end Server and other Computing Intensive Applications
Outstanding Features	56Gbps/40Gbps InfiniBand controller onboard 8x 2.5" SATA drives 1280W Platinum Level Digital high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN	56Gbps/40Gbps InfiniBand controller onboard 4x 3.5" SATA drives 1280W Platinum Level Digital high-efficiency power supply - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-TF: SUPER● X9DRT-F -TQF: SUPER● X9DRT-IBQF -TFF: SUPER● X9DRT-IBFF	-TF: SUPER● X9DRT-F -TQF+: SUPER● X9DRT-IBQF -TFF+: SUPER● X9DRT-IBFF
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	1 PCI-E 3.0 x16 low-profile	1 PCI-E 3.0 x16 low-profile
Onboard Storage Controller	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 2 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 1 SATA DOM (3Gbps) ports; RAID 0,1
Connectivity	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 1027TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 1027TR-TFF)	Twin set of Intel® i350 Gigabit Ethernet controller Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector (for 6017TR-TQF) Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/ QSFP connector (for 6017TR-TFF)
VGA/Audio	Matrox G200eW video controller	Matrox G200eW video controller
Management	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	Twin set of 4x 2.5" hot-swap SATA HDD bays	Twin set of 2x 3.5" hot-swap SATA HDD bays
Peripheral Bays	N/A	N/A
Power Supply	1280W Platinum Level Digital high-efficiency power supply with I ² C & PMBus	1280W Platinum Level Digital high-efficiency power supply with I ² C & PMBus
Cooling System	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative for compatibility



Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

FatTwin™

Evolutionary 4U Twin Architecture

Supports up to: • 36 Cores and 145W TDP • 1TB DDR4-2133MHz in 16 DIMMs • **SAS 3.0** (12Gbps)
• 8x 3.5" HDDs/1U • 10GBase-T • Redundant **Titanium Level** Digital Power Supplies

8-Node w/ Front I/O
Highest Density & Efficiency



SYS-F618R2-F Series

4-Node w/ Front I/O
Highest Power Efficiency



SYS-F628R3-F Series

8-Node w/ Rear I/O



SYS-F618R2-R+ Series

4-Node w/ Rear I/O
8 hot-swap 3.5" HDDs per 1U



SYS-F628R3-R+ Series

Highest Performance-per-Watt and per-Dollar



The Supermicro FatTwin™ is a high-density 8/4/2 hot-plug node SuperServer® system available with a variety of memory capacities, HDD technologies, PCI expansion, networking capabilities, and GPU support options. The FatTwin™ supports up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 1 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8 Micro LP card, 8 ports of LSI® 3108 **SAS 3.0** (12Gbps) with HW RAID, 10 ports of SATA 3.0 (6Gbps) with Intel® C612 controller, dual 10GBase-T or dual Gigabit Ethernet ports, redundant **Titanium Level** (96%+) **Digital** power supplies, integrated IPMI 2.0 with KVM over dedicated LAN, and dual Intel® Xeon® processor **E5-2600 v3** product family up to 36 cores per node and 145W TDP.

The Supermicro FatTwin™ represents a revolution in Green Computing designed to support customers' critical applications and also reduce Data Center TCO to help preserve the environment. The FatTwin™ extends the compute and storage capabilities of Supermicro's existing Twin SuperServer® systems to achieve increased performance and power efficiency. Due to its shared components the FatTwin™ improves cost-effectiveness and reliability, while its modular architecture makes it flexible to configure and easy to maintain. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Versatile configurations allow the FatTwin™ to be optimized for many different environments including Enterprise, Data Center, Cloud Computing, HPC, Financial, Science and Engineering, File and Storage Servers.

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency!



Rear View



MODEL	SYS-F618R2-FT SYS-F618R2-FC0	SYS-F618R3-FTL	SYS-F618R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Cluster Node - Compute Intensive Application - Data Center	- Cluster Node - Compute Intensive Application - Data Center	- Cluster Node - Compute Intensive Application - Data Center
Outstanding Features	1 Low-profile PCI-E x16 slot 1620W Redundant Platinum Level high-efficiency power supplies 2 Gigabit Ethernet Ports - IPMI 2.0 + KVM with dedicated LAN - SAS 3.0 (12 Gbps) support (-FC0)	1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports - IPMI 2.0 + KVM with dedicated LAN - RAID 0,1	1 Low-profile PCI-E x16 slot 2 Gigabit Ethernet Ports - IPMI 2.0 + KVM with dedicated LAN - RAID 0,1 - SATA 3.0 (6Gbps) support
Serverboard	-FT: SUPER● X10DRFF -FC0: SUPER● X10DRFF-C	SUPER● X10DRFF	SUPER● X10DRFF
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)	Octal set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Octal set of LSI® 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10;	Octal set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Connectivity	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN	Octal set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Octal set of 2x 2.5" hot-swap SATA3 drive bays -FC0: Octal set of 2x 2.5" hot-swap SAS3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays	Octal set of 2x fixed 3.5" SATA3 drive bays
Power Supply	4x Redundant 1620W Platinum Level power supplies with iC & PMBus	4x Redundant 1680W Titanium Level power supplies with iC & PMBus	4x Redundant 1620W Platinum Level power supplies with iC & PMBus
Cooling System	8x 80mm 11k RPM	2x 17cm fan	8x 80mm 11k RPM
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Front I/O

Highest Power Efficiency!



Rear View

MODEL	SYS-F628R3-FT SYS-F628R3-FC0	SYS-F628R2-FC0
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Cluster Node - Compute Intensive Application - Data Center - Email Server - Mail Server	- Cluster Node - Data Center - HPC - HPC cluster computer nodes - Internet
Outstanding Features	1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports 4x 3.5" SATA or SAS drives per node - IPMI 2.0 + KVM with dedicated LAN - LSI 3008 SAS 3.0 (12 Gbps) support (-FC0)	- LSI 3008 SAS 3.0 (12 Gbps) support 1 Low-profile PCI-E x16 slot 1280W Platinum Level redundant high-efficiency power supplies 2 Gigabit Ethernet Ports - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-FT: SUPER● X10DRFF -FC0: SUPER● X10DRFF-C	SUPER● X10DRFF-C
Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile)	Quad set of 1 PCI-E 3.0 x16 (low-profile)
Onboard Storage Controller	-FT: Quad set of Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10; -FC0: Quad set of LSI® 3008 controller for 4 SAS 3.0 (12Gbps) ports; RAID 0,1,10;	Quad set of LSI® 3008 controller for 8 SAS 3.0 (12Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN	Quad set of Dual Intel® i210 single port Gigabit Ethernet LAN
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	-FT: Quad set of 4x 3.5" hot-swap SATA3 drive bays -FC0: Quad set of 4x 3.5" hot-swap SAS3 drive bays	Quad set of 8x 2.5" hot-swap SAS3 drive bays
Power Supply	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I²C & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node Rear I/O

6x 2.5" HDD per Node



Rear View

MODEL	SYS-F618R2-RT+ SYS-F618R2-RTPT+	SYS-F618R2-RC1+ SYS-F618R2-RC1PT+	SYS-F618R2-R72+ SYS-F618R2-R72PT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Octal set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Cloud and Virtualization needs - Cloud Computing - Cluster Node - Data Center - HPC cluster computer nodes	- Cloud and Virtualization needs - Cloud Computing - Cluster Node - Data Center - HPC cluster computer nodes	- Cloud and Virtualization needs - Cloud Computing - Cluster Node - Data Center - HPC cluster computer nodes
Outstanding Features	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1620W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - Supports 16 DIMM DDR4 up to 2133MHz 6x 2.5" hot-swap SATA3 drive bays per node	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots - Supports 16 DIMM DDR4 up to 2133MHz 2000W Redundant Titanium Level high-efficiency power supplies 6 x 2.5" Hot-swap SAS/SATA drives (Per Node) - IPMI 2.0 + KVM with dedicated LAN - LSI® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives 2 optional NVMe	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1620W Redundant Platinum Level high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN - Supports 16 DIMM DDR4 up to 2133MHz 6x 2.5" hot-swap SAS2/SATA drive bays per node
Serverboard	SUPER● X10DRFR	SUPER● X10DRFR	SUPER● X10DRFR
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card and 1 PCI-E 3.0 x8 (MicroLP)	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card and 1 PCI-E 3.0 x8 (MicroLP)
Onboard Storage Controller	Octal set of Intel® C612 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10	Octal set of 6 SAS3 (12Gbps) ports; or 4SAS3 + 2 NVMe SSDs; SAS3 support via LSI 3108; RAID 0,1,5,6,10,50,60	Octal set of LSI® 2208 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	-RT+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTPT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-RC1+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC1PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72PT+: Octal set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Octal set of AST2400 VGA	Octal set of AST2400 VGA	Octal set of AST2400 VGA
Management	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Octal set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA3 drive bays	Octal set of 6x 2.5" hot-swap SAS3/SATA3 drive bays	Octal set of 6x 2.5" hot-swap SAS2/SATA3 drive bays
Power Supply	4x Redundant 1620W Platinum Level (94%+) power supplies with FC & PMBus	4x Redundant 2000W Titanium Level (96%+) power supplies with FC & PMBus	4x Redundant 1620W Platinum Level (94%+) power supplies with FC & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Rear I/O

8 Hot-swap 3.5" HDDs per 1U



Rear View

MODEL	SYS-F628R3-RTB+ SYS-F628R3-RTBPT+ SYS-F628R3-RTBPTN+	SYS-F628R3-RC1B+ SYS-F628R3-RC1BPT+	SYS-F628R3-R72B+ SYS-F628R3-R72BPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	- Cloud Computing - Cluster Node - Compute Intensive Storage Environments - Corporate Database - Data Center - Database Applications - Email Server - Server Appliance - Virtualization Server - Web/Collocation Services	- Cloud Computing - Cluster Node - Compute Intensive Storage Environments - Corporate Database - Data Center - Database Applications - Email Server - Server Appliance - Virtualization Server - Web/Collocation Services	- Cloud Computing - Cluster Node - Compute Intensive Storage Environments - Corporate Database - Data Center - Database Applications - Email Server - Server Appliance - Virtualization Server - Web/Collocation Services
Outstanding Features	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1680W Titanium Level redundant high-efficiency power supplies 145W CPU support 16 DIMM sockets 8 Hot-swap 3.5" SATA/SAS drive bays - IPMI 2.0 management with dedicated LAN	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1680W Titanium Level redundant high-efficiency power supplies 145W CPU support - Supports 16 DIMM DDR4 up to 2133MHz 2 Gigabit Ethernet Ports 8 Hot-swap 3.5" SATA/SAS drive bays - IPMI 2.0 management with dedicated LAN - LSI® 3108 controller for 8 SAS3 (12Gbps) hot-swappable drives	1 Low-profile PCI-E x16 & 1 MicroLP PCI-E x8 slots 1280W Platinum Level redundant high-efficiency power supplies 145W CPU support 16 DIMM sockets 8 Hot-swap 3.5" SATA/SAS drive bays - IPMI 2.0 management with dedicated LAN - LSI® 2208 controller for 8 SAS2 hot-swappable drives
Serverboard	-RTB+: SUPER® X10DRFR -RTBPT+: SUPER® X10DRFR-T -RTBPTN+: SUPER® X10DRFR-NT	SUPER® X10DRFR	SUPER® X10DRFR
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4, up to 2133MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (Micro LP)	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel® C612 controller for 10 SATA3 (6Gbps) ports; RAID 0,1,5,10	Quad set of 8 SAS3 (12Gbps) ports; or 6 SAS3 + 2 NVMe SSDs; SAS3 support via LSI 3108; RAID 0,1,5,6,10,50,60	Quad set of LSI® 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	-RTB+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RTBPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector -RTBPTN+: Quad set of Dual LAN with Intel® X540 10GBase-T Ethernet Controller	-RC1B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -RC1BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector	-R72B+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -R72BPT+: Quad set of Dual 10Gb Ethernet LAN with Intel® X540 and 10GBase-T Connector
VGA/Audio	Quad set of AST2400 VGA	Quad set of AST2400 VGA	Quad set of AST2400 VGA
Management	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	Quad set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Quad set of 8x 3.5" hot-swap SATA3 drive bays	Quad set of 8x 3.5" hot-swap SAS3/SATA drive bays	Quad set of 8x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	4x Redundant 1680W Titanium Level (95%+) Digital power supplies with FC & PMBus	4x Redundant 1680W Titanium Level (96%+) Digital power supplies with FC & PMBus	4x Redundant 1280W Platinum Level (95%+) Digital power supplies with FC & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node Front I/O

Highest Density & Efficiency, 8 DP Nodes, Front I/O



Rear View

MODEL	SYS-F617R2-FT SYS-F617R2-F73	SYS-F617R3-FT
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	- Front I/O 8 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets - Octal set of 2x 2.5" hot-swap SAS/SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)	- Front I/O 8 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets - Octal set of 2x fixed 3.5" SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPERMICR® X9DRFF -F73: SUPERMICR® X9DRFF-7	SUPERMICR® X9DRFF
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Octal set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card
Onboard Storage Controller	-FT: Octal set of Intel C602 controller for 2 SATA3 (6Gbps); RAID 0,1 -F73: Octal set of LSI® 2308 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	Octal set of Intel C602 controller for 2 SATA3 (6Gbps); RAID 0,1
Connectivity	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	R2-FT: Octal set of 2x 2.5" hot-swap SATA drive bays R2-F73: Octal set of 2x 2.5" hot-swap SAS2 drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Front I/O

4 DP Nodes, Front I/O



Rear View



MODEL	SYS-F627R3-FT SYS-F627R3-F73	SYS-F627R2-F73
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	- Front I/O 4 Hot-plug System Nodes in 4U - Up to 130W CPU support - Quad set of 4x 3.5" hot-swap SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)	- Front I/O 4 Hot-plug System Nodes in 4U - Up to 130W CPU support - Quad set of 8x 2.5" hot-swap SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT: SUPERMICR® X9DRFF -F73: SUPERMICR® X9DRFF-7	SUPERMICR® X9DRFF-7
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or; 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) via riser card	Quad set of 1 PCI-E 3.0 x16 (low-profile) via riser card
Onboard Storage Controller	-FT: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F73: Quad set of LSI® 2308 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,10;	Quad set of LSI® 2308 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,10
Connectivity	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® 82574L Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	R3-FT: Quad set of 4x 3.5" hot-swap SATA drive bays R3-F73: Quad set of 4x 3.5" hot-swap SAS2 drive bays	Quad set of 8x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I²C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node Rear I/O

8 DP Nodes, Rear I/O, 16 DIMMs



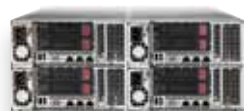
Rear View

MODEL	SYS-F617R2-RT+	SYS-F617R2-R72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 115W CPUs supported @ 35°C
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	8 Hot-plug System Nodes in 4U - Up to 115W CPU support 16 DIMM sockets - Octal set of 6x 2.5" hot-swap SAS/SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)	8 Hot-plug System Nodes in 4U - Up to 115W CPU support 16 DIMM sockets - Octal set of 6x 2.5" hot-swap SAS/SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER● X9DRFR	SUPER● X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card and 1 Micro low-profile PCI-E 3.0 x8	Octal set of 1 PCI-E 3.0 x16 (low-profile) via riser card and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Octal set of LSI® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 6x 2.5" hot-swap SATA drive bays	Octal set of 6x 2.5" hot-swap SAS2 drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control	Octal set of 3x 40mm counter-rotating fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Rear I/O

Up to 14 Hot-swap 2.5" HDDs per 1U , 4 DP Nodes, Rear I/O, 16 DIMMs



SYS-F627R2-RTB+ (Rear View)



SYS-F627R2-RT+ (Rear View)

MODEL	SYS-F627R2-RTB+	SYS-F627R2-RT+
Processor Support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W* CPU support
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	4 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets - Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)	4 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets - Quad set of 12x 2.5" hot-swap SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER● X9DRFR	SUPER● X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8;	Quad set of 2 PCI-E 3.0 x8 (FH, HL) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) RAID 0,1 and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; LSI® 2208 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps), RAID 0,1; and 2 SATA2 (3Gbps) ports; RAID 0,1; LSI® 2308 8 SAS2 (6Gbps) ports; RAID 0,1,5,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 12x 2.5" front + 2x 2.5"/3.5" rear hot-swap SAS/SATA drive bays	Quad set of 12x 2.5" hot-swap SAS/SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with i°C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with i°C & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node Rear I/O

Up to 8 Hot-swap 3.5" HDDs per 1U , 4 DP Nodes, Rear I/O, 16 DIMMs



Rear View

MODEL	SYS-F627R3-RTB+	SYS-F627R3-R72B+
Processor Support	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C	Quad set of Dual Intel® Xeon Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPUs supported @ 47°C
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	4 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets 6+2 3.5" SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)	4 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets 6+2 3.5" SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER● X9DRFR	SUPER● X9DRFR
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 Micro low-profile PCI-E 3.0 x8
Onboard Storage Controller	-RTB+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 2 SATA2 (3Gbps) ports; RAID 0,1;	-R72B+: Quad set of LSI® 2208 controller for 8 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-RTB+: Quad set of 8x 3.5" hot-swap SATA drive bays	-R72B+: Quad set of 8x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iC & PMBus
Cooling System	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 4x 2.5" HDDs per Node



Rear View



4x 2.5" HDDs per Node

MODEL	SYS-F617R2-FT+	SYS-F617R2-FTPT+	SYS-F617R2-F72+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	8 Hot-plug System Nodes in 4U 16 DIMM sockets 4x fixed 2.5" SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)	8 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets 4x fixed 2.5" SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)	8 Hot-plug System Nodes in 4U - Up to 130W CPU support 16 DIMM sockets 4x fixed 2.5" SAS/SATA drive bays 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPER● X9DRFF-i+	SUPER● X9DRFF-iT+	SUPER● X9DRFF-7+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	-FT+: Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	FTPT+: Octal set of Intel C602 controller for 2 SATA3 (6Gbps) and 2 SATA2 (3Gbps) ports; RAID 0,1,5,10;	-F72+: Octal set of LSI® 2208 controller for 4 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50
Connectivity	-FT+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	-FTPT+: Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller	-F72+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SATA drive bays	Octal set of 4x 2.5" fixed SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 8-Node 16 DIMMs, Front I/O

8 DP Nodes, Front I/O, 16 DIMMs & 2x 3.5" HDDs per Node



Rear View



2x 3.5" HDDs per Node

MODEL	SYS-F617R3-FT+	SYS-F617R3-FTPT+
Processor Support	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Octal set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	• 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM sockets • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)	• 8 Hot-plug System Nodes in 4U • Up to 130W CPU support • 16 DIMM sockets • 16x fixed 3.5" SAS/SATA drive bays • 1620W Redundant Power Supplies Platinum Level (95%)
Serverboard	SUPERMICR® X9DRFF-i+	SUPERMICR® X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Octal set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards	Octal set of 1 PCI-E 3.0 x16 (low-profile), and 1 PCI-E 3.0 x8 (low-profile) via riser cards
Onboard Storage Controller	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Octal set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1
Connectivity	-FT+: Octal set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	-FTPT+: Octal set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Octal set of Matrox® G200eW video controller	Octal set of Matrox® G200eW video controller
Management	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Octal set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Octal set of 2x 3.5" fixed SATA drive bays	Octal set of 2x 3.5" fixed SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 6x 2.5" HDDs per Node



Rear View

MODEL	SYS-F627R2-FT+ SYS-F627R2-F72+	SYS-F627R2-F72PT+ SYS-F627R2-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	• Front I/O • Up to 130W CPU support • 16 DIMM sockets • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)	• Front I/O • Up to 130W CPU support • 16 DIMM sockets • 6x 3.5" SAS/SATA drive bays • 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER● X9DRFF-i+ -F72+: SUPER● X9DRFF-7+	-F72PT+: SUPER● X9DRFF-7T+ -FTPT+: SUPER● X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; -F72+: Quad set of LSI® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50	-F72PT+: Quad set of LSI® 2208 controller for 6 SAS 2.0 (6Gbps) ports; RAID 0,1,5,6,10,50 -FTPT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10;
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+ : Quad set of 6x 2.5" hot-swap SATA drive bays -F72+: Quad set of 6x 2.5" hot-swap SAS2 drive bays	-F72PT+: Quad set of 6x 2.5" hot-swap SAS2 drive bays -FTPT+: Quad set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I²C & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ 4-Node 16 DIMMs, Front I/O

4 DP Nodes, Front I/O, 16 DIMMs, 2x 3.5" HDDs per Node



Rear View

MODEL	SYS-F627R3-FT+ SYS-F627R3-F72+	SYS-F627R3-F72PT+ SYS-F627R3-FTPT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing	3D Rendering - Big Data Analytics - CAD/CAM/CAE - Compute Intensive Application - Connectivity/Storage Computer Nodes - Digital Content Creation - Front-end Server and other Computing Intensive Applications - GPU server - HPC - HPC/Cluster - Oil & Gas - Scientific Computing
Outstanding Features	16 DIMM sockets 2x 3.5" SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)	16 DIMM sockets 2x 3.5" SAS/SATA drive bays 1280W Redundant Power Supplies Platinum Level (95%)
Serverboard	-FT+: SUPER● X9DRFF-i+ -F72+: SUPER● X9DRFF-7+	-F72PT+: SUPER● X9DRFF-7T+ -FTPT+: SUPER● X9DRFF-iT+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8	Quad set of 1 PCI-E 3.0 x16 (low-profile), 2 PCI-E 3.0 x8
Onboard Storage Controller	-FT+ : Quad set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+: Quad set of LSI® 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1	-FT+ / -FTPT+: Quad set of Intel C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; -F72+ / -F72PT+: Quad set of LSI® 2208 controller for 2 SAS 2.0 (6Gbps) ports; RAID 0,1
Connectivity	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller	Quad set of Dual 10GBase-T with Intel® X540 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox® G200eW video controller	Quad set of Matrox® G200eW video controller
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72+: Quad set of 2x 3.5" hot-swap SAS2 drive bays	-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays -F72PT+: Quad set of 2x 3.5" hot-swap SAS2 drive bays
Power Supply	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iC & PMBus	4x 1280W Redundant Platinum Level (95%+) Digital power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)	4U Rackmount 448mm W x 177mm H x 737mm D (17.63"W x 6.96"H x 29"D)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

2 DP Nodes, 6 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



Rear View



Up to 8x 2.5" HDDs per Node

MODEL	SYS-F647G2-F73+ SYS-F647G2-F73PT+	SYS-F647G2-FT+ SYS-F647G2-FTPT+
Processor Support	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPU	Twin set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families; Up to 130W CPU
Key Applications	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing	• 3D Rendering • Big Data Analytics • CAD/CAM/CAE • Compute Intensive Application • Connectivity/Storage Computer Nodes • Digital Content Creation • Front-end Server and other Computing Intensive Applications • GPU server • HPC • HPC/Cluster • Oil & Gas • Scientific Computing
Outstanding Features	• 130W CPU support • 16 DIMM sockets • 8x 2.5" SAS/SATA drive bays • Up to 2 add-on cards (2 full-height & half-length) • Up to 3 GPU cards in 1U	• 130W CPU support • 16 DIMM sockets • 6x 2.5" SATA drive bays • IPMI 2.0 + KVM with dedicated LAN • SATA 3.0 (6Gbps) support • Up to 3 GPU cards in 1U
Serverboard	-F73+: SUPERMICR® X9DRFF-7G+ -F73PT+: SUPERMICR® X9DRFF-7TG+	-FT+: SUPERMICR® X9DRFF-iG+ -FTPT+: SUPERMICR® X9DRFF-iTG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double Wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)	Twin set of 6 PCI-E 3.0 x16 (FH, FL, Double wide) for GPU/Xeon Phi; 2 PCI-E 3.0 x8 (FH, HL)
Onboard Storage Controller	Twin set of LSI® 2308 for 8 SAS 2.0; RAID 0,1,10	Twin set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10
Connectivity	-F73+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller	-FT+: Twin set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Twin set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Twin set of Matrox G200eW	Twin set of Matrox G200eW
Management	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Twin set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Twin set of 8x 2.5" hot-swap SAS2/SATA drive bays	Twin set of 6x 2.5" hot-swap SATA drive bays
Power Supply	4x 2000W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 2000W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud & PWM fan speed control	8x 80mm heavy duty fans with air shroud & PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

4 DP Nodes, 3 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G2-FT+ SYS-F627G2-FTPT+	SYS-F627G2-F73+ SYS-F627G2-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	3D Rendering - CAD/CAM/CAE - Compute Intensive Application - Digital Content Creation - GPU server - High-performance computing - HPC - Oil & Gas - Scientific Computing - Simulation Computer	3D Rendering - CAD/CAM/CAE - Compute Intensive Application - Digital Content Creation - GPU server - High-performance computing - HPC - Oil & Gas - Scientific Computing - Simulation Computer
Outstanding Features	130W CPU support 16 DIMM sockets 6x 2.5" SATA drives - IPMI 2.0 + KVM with dedicated LAN - Up to 2 add-on cards - Up to 3 GPU cards in 1U	130W CPU support 16 DIMM sockets 6x 2.5" SAS2/SATA drives - IPMI 2.0 + KVM with dedicated LAN - Up to 2 add-on cards - Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER● X9DRFF-iG+ -FTPT+: SUPER● X9DRFF-iTG+	-F73+: SUPER● X9DRFF-7G+ -F73PT+: SUPER● X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3 and 4 SATA2; RAID 0,1,5,10	-F73+/-F73PT+: Quad set of LSI® 2308 for 6 SAS 2.0; RAID 0,1,10
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 6x2.5" hot-swap SATA drive bays	-F73+/-F73PT+: Quad set of 6x2.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with iC & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ GPU/Xeon Phi™

4 DP Nodes, 3 GPU/Xeon Phi™ Cards per Node, Front I/O, 16 DIMMs



MODEL	SYS-F627G3-FT+ SYS-F627G3-FTPT+	SYS-F627G3-F73+ SYS-F627G3-F73PT+
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families
Key Applications	• 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific Computing • Simulation Computer	• 3D Rendering • CAD/CAM/CAE • Compute Intensive Application • Digital Content Creation • GPU server • High-performance computing • HPC • Oil & Gas • Scientific Computing • Simulation Computer
Outstanding Features	• 130W CPU support • 16 DIMM sockets • 2 hot-swap 3.5" SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U	• 130W CPU support • 16 DIMM sockets • 2 hot-swap 3.5" SAS2/SATA Drive bays (Per Node) • IPMI 2.0 + KVM with dedicated LAN • Up to 2 add-on cards • Up to 3 GPU cards in 1U
Serverboard	-FT+: SUPER® X9DRFF-iG+ -FTPT+: SUPER® X9DRFF-iTG+	-F73+: SUPER® X9DRFF-7G+ -F73PT+: SUPER® X9DRFF-7TG+
Chipset	Intel® C602 Chipset	Intel® C602 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)	Quad set of 3 PCI-E 3.0 x16 support 3 double width GPU/Xeon Phi™ cards; and 2 PCI-E 3.0 x8 (low-profile)
Onboard Storage Controller	-FT+/-FTPT+: Quad set of C602 for 2 SATA3; RAID 0,1	-F73+/F73PT+: Quad set of LSI® 2308 for 2 SAS 2.0; RAID 0,1
Connectivity	-FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	-F73+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller -F73PT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	-FT+/-FTPT+: Quad set of 2x 3.5" hot-swap SATA drive bays	-F73+/F73PT+: Quad set of 2x 3.5" hot-swap SAS2/SATA drive bays
Power Supply	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	4x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D) (Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

FatTwin™ HADOOP, 4-Node, 14 HDDs

Hadoop, 4-Node Front I/O, 16 DIMMs



Rear View

MODEL	SYS-F617H6-FTL+ SYS-F617H6-FTPTL+	SYS-F617H6-FT+ SYS-F617H6-FTPT+	SYS-F517H6-FT (UP)
Processor Support	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families	Quad set of Single Intel® Xeon® E3-1200 & E3-1200 v2 families
Key Applications	Hadoop	Hadoop	Hadoop
Outstanding Features	4 nodes in 4U 12x 3.5" drives	4 nodes in 4U 12x 3.5" drives	4 nodes in 4U 12x 3.5" drives
Serverboard	FTL+: SUPERMICR® X9DRFF-7G+ FTPTL+: SUPERMICR® X9DRFF-7TG+	FT+: SUPERMICR® X9DRFF-7+ FTPT+: SUPERMICR® X9DRFF-7T+	SUPERMICR® X9SCFF-F
Chipset	Intel® C602 Chipset	Intel® C602 Chipset	Intel® C204 Chipset
System Memory (Max.)*	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 32GB DDR3 ECC 1333/1600MHz UDIMMs in 4 DIMM sockets
Expansion Slots	Quad set of 1 PCI-E 3.0 x8 (low-profile) and 1 PCI-E 2.0 x4 (low-profile) via riser card	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 1 PCI-E 3.0 x8 (low-profile) via riser card	Quad set of 1 PCI-E 3.0 x16 (low-profile) and 2 (x8) Micro-LP PCI-E 3.0 slots
Onboard Storage Controller	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10	Quad set of C602 for 2 SATA3 and 2 SATA2; RAID 0,1,5,10
Connectivity	FTL+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPTL+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	FT+: Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller FTPT+: Quad set of Dual 10GBase-T with Intel® X540 10GbE controller	Quad set of Dual LAN ports with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Quad set of Matrox G200eW	Quad set of Matrox G200eW	Quad set of Matrox G200eW
Management	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0+ KVM with dedicated LAN, SuperDoctor®, Watch Dog
Drive Bays	Quad set of 12x 3.5 fixed SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)	Quad set of 12x 3.5 fixed SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)	Quad set of 12x 3.5 fixed SAS2/SATA drive bays; Quad set of 2x 2.5 fixed SAS2/SATA drive bays (optional)
Power Supply	2x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	2x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus	2x 1620W Redundant Platinum Level (94%+) power supplies with I²C & PMBus
Cooling System	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control	8x 80mm heavy duty fans with air shroud& PWM fan speed control
Form Factor	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D)(Recommend 48" depth rack)	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D)(Recommend 48" depth rack)	4U Rackmount 448mm W x 177mm H x 889mm D (17.63" W x 6.96" H x 35" D)(Recommend 48" depth rack)

* Please check with your Supermicro sales representative for compatibility

4-Way MP Servers

**Supports up to: • 60 Cores per System • 6TB in 96 DIMMs • 11 PCE-E 3.0
• 48x 2.5" SAS 3.0 (12 Gbps) HDDs/SSDs • Built-in Reliability and Scalability**



SYS-4048B-TRFT
Up to 48x 2.5" SAS 3.0 (12Gbps) HDDs



SYS-8048B-TRFT
Up to 24x 3.5" SAS2 HDDs



Rear View



1U 4-Way
SYS-8017R-TF+
SYS-8017R-7FT+



2U 4-Way
SYS-8027R-TRF+
SYS-8027R-7RFT+



4U/Tower 4-Way
SYS-8047R-TRF+
SYS-8047R-7RFT+



4U 4-Way
SYS-8047R-7JRFT
SYS-4047R-7JRFT

Multi-Processor Based Server Solutions Optimum Performance with Highest Efficiency



The Supermicro 4-Way X10 EX SuperServer® product family is the most highly optimized four socket design in the industry. The SuperServer® SYS-4048B-TRFT/8048B-TRFT features a radically new split-level design which provides dual-zone cooling, ensuring Intel's E7-8800/4800 v2 CPUs operating with 15 cores at up to 155 watts each have maximum airflow to operate at peak performance. The systems offer large memory capacities of up to 6TB of ECC Reg. DDR3-1600MHz in 96 DIMM sockets total per system, and extensive I/O capabilities with up to 11 PCI-E 3.0 expansion slots. Additional leading-edge features include high-speed 10GbE connectivity, 12Gbps SAS 3.0 up to 48 x 2.5" drive bays or 6Gbps SAS 2.0 up to 24 x 3.5" drive bays storage, N + N Redundant Platinum Level (94%+) power supplies (total 4 x 1620W power supply) and integrated IPMI 2.0. In addition, the servers are designed with reliability and scalability for higher performance mission critical applications.



New! X10 EX 4-Way MP
Up to 6TB Memory, 60 Cores,
11 PCE-E 3.0 Slots; SAS 2.0 (6Gbps)



X10 EX 4-Way MP
Up to 6TB Memory, 60 Cores,
11 PCE-E 3.0 Slots; SAS 3.0 (12Gbps)



MODEL	SuperServer® SYS-8048B-TRFT	SuperServer® SYS-4048B-TRFT
Processor Support	Dual Intel® Xeon® Processor E7-4800 v2 / 8800 v2 (Ivy Bridge-EX) product family with QPI up to 8 GT/s	Dual Intel® Xeon® Processor E7-4800 v2 / 8800 v2 (Ivy Bridge-EX) product family with QPI up to 8 GT/s
Key Applications	• Business Intelligence • Database • Virtualization • Research Lab/NL	• Business Intelligence • Database • Virtualization • Research Lab/NL
Outstanding Features	• Up to 60 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • 24 SAS 2.0 (6Gbps) 3.5" drive bays • Independent power and cooling controls • Redundant Platinum Level (94%) power supplies	• Up to 60 CPU cores per system • Up to 6TB in 96 memory DIMMs • Up to 11 PCI-E 3.0 slots • Up to 48 SAS 3.0 (12Gbps) 2.5" drive bays • Independent power and cooling controls • Redundant Platinum Level (94%) power supplies
Serverboard	SUPER● X10QBi / X10QBi-MEM1 / AOM-X10QBi-A	SUPER● X10QBi / X10QBi-MEM1 / AOM-X10QBi-A
Chipset	Intel® C602J chipset	Intel® C602J chipset
System Memory (Max.)*	Up to 6TB of DDR3 1600MHz ECC RDIMM/LRDIMM in 96 memory slots (8x memory module board: X10QBi-MEM1)	Up to 6TB of DDR3 1600MHz ECC RDIMM/LRDIMM in 96 memory slots (8x memory module board: X10QBi-MEM1)
Expansion Slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 48 memory slots; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 96 memory slots	11 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 7x PCI-E3.0 x8) with 48 memory slots; 8 PCI-E 3.0 slots (4x PCI-E3.0 x16 + 4x PCI-E3.0 x8) with 96 memory slots
Onboard Storage Controller	Requires add-on card to support HW RAID feature; 6 SATA3/2 ports from 602J onboard (2 SATA3 + 4 SATA2)	Requires add-on card to support HW RAID feature; 6 SATA3/2 ports from 602J onboard (2 SATA3 + 4 SATA2)
Connectivity	Dual 10GBase-T ports with Intel® X540 controller on AOM card	Dual 10GBase-T ports with Intel® X540 controller on AOM card
VGA/Audio	Aspeed AST2400 BMC	Aspeed AST2400 BMC
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	Up to 24x 3.5" SAS2 HDDs	Up to 48x 2.5" HDDs, SAS 3.0 (12Gbps) ready (optional upgrade to 48x 2.5" HDDs), fixed 4x 2.5" internal SATA drive bays
Peripheral Bays	N/A	N/A
Power Supply	(N+N) Redundant 1620W Platinum Level (94%) power supplies	(N+N) Redundant 1620W Platinum Level (94%) power supplies
Cooling System	4x 9cm mid fans; 3x 8cm rear fans; optional 2 additional 8cm rear fans	4x 9cm mid fans; 3x 8cm rear fans; optional 2 additional 8cm rear fans
Form Factor	4U Rackmount 437 x 178 x 846mm (17.2" x 7" x 33.3")	4U Rackmount 437 x 178 x 795mm (17.2" x 7" x 31.3")

* Please check with your Supermicro sales representative for compatibility



X9 EP-4Way



X9 EP-4Way



MODEL	SuperServer® SYS-8047R-7JRFT	SuperServer® SYS-4047R-7JRFT
Processor Support	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s,	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s,
Key Applications	• High Performance Data system • Data Farm • Storage Application • Oil and Gas company	• High Performance Data system • Data Farm • Storage Application • Oil and Gas company
Outstanding Features	• 130W CPU support • 24x 3.5" Hot-swap SAS/SATA drives • 1620W Redundant Platinum Level power supplies • IPMI 2.0 + KVM with dedicated LAN	• 130W CPU support • 48x 2.5" Hot-swap SAS/SATA drives • 1620W Redundant Platinum Level power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER● X9QR7-JTF	SUPER● X9QR7-JTF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 768GB of DDR3 1866MHz ECC RDIMM/LRDIMM in 24 DIMM sockets	Up to 768GB of DDR3 1866MHz ECC RDIMM/LRDIMM in 24 DIMM sockets
Expansion Slots	8 x PCI-E 3.0 x16 Slot (1x PCI-E 3.0 x8 in x16 slot)	8 x PCI-E 3.0 x16 Slot (1x PCI-E 3.0 x8 in x16 slot)
Onboard Storage Controller	Dual LSI® 2308 SAS2 Onboard 16 SATA3/SAS2, SAS IT Mode	Dual LSI® 2308 SAS2 Onboard 16 SATA3/SAS2, SAS IT Mode
Connectivity	Dual 10GBase-T ports with Intel® X540 controller	Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN SuperDoctor® 5, Watchdog
Drive Bays	24x 3.5" Hot-swap SAS/SATA drives	48x 2.5" Hot-swap SAS/SATA drives
Peripheral Bays	Two Bays for : 1x Slim DVD-ROM Drive (optional) OR 1x Slim Floppy Drive (optional) OR 1x USB/COM port tray (optional) OR 1x Slim 2.5" fixed HDD tray (optional)	Two Bays for : 1x Slim DVD-ROM Drive (optional) OR 1x Slim Floppy Drive (optional) OR 1x USB/COM port tray (optional) OR 1x Slim 2.5" fixed HDD tray (optional)
Power Supply	1620W Redundant Platinum Level high-efficiency (94%) power supplies	1620W Redundant Platinum Level high-efficiency (94%) power supplies
Cooling System	3x 8CM + 4x 9CM Heavy Duty Fans with Speed Control	3x 8CM + 4x 9CM Heavy Duty Fans with Speed Control
Form Factor	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")	4U Rackmount 437 x 178 x 737mm (17.2" x 7" x 29")

* Please check with your Supermicro sales representative for compatibility



X9 EP-4Way



X9 EP-4Way



X9 EP-4Way



MODEL	SuperServer® SYS-8047R-TRF+ SYS-8047R-7RFT+	SuperServer® SYS-8027R-TRF+ SYS-8027R-7RFT+	SuperServer® SYS-8017R-TF+ SYS-8017R-7FT+
Processor Support	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores	Quad Intel® Xeon® processor E5-4600 v2 product family with QPI up to 8.0GT/s, up to 12 Cores
Key Applications	- Research lab/National Lab - Oil and Gas company - I/O & Power Intensive Application	- HPC - Finance/Banking, e-Commerce - Compute Intensive Applications - Enterprise/Mission Critical Server	- HPC - Compute Intensive Application - Virtualization
Outstanding Features	130W CPU support 5x 3.5" Hot-swap SAS/SATA drives - Redundant 1400W Platinum Level Digital power supplies - IPMI 2.0 + KVM with dedicated LAN	130W CPU support 6x 3.5" Hot-swap SAS/SATA drives - Redundant 1400W Platinum Level Digital power supplies - IPMI 2.0 + KVM with dedicated LAN	130W CPU support 3x 3.5" Hot-swap SATA/SAS drives 1400W Platinum Level Digital power supply - IPMI 2.0 + KVM with dedicated LAN
Serverboard	-TRF+: SUPER® X9QRi-F+ -7RFT+: SUPER® X9QR7-TF+	-TRF+: SUPER® X9QRi-F+ -7RFT+: SUPER® X9QR7-TF+	-TF+: SUPER® X9QRi-F+ -7FT+: SUPER® X9QR7-TF+
Chipset	Intel® C602 chipset	Intel® C602 chipset	Intel® C602 Chipset
System Memory (Max.)*	Up to 1TB* of DDR3 1866MHz ECC RDIMM/LRDIMM in 32 DIMM sockets	Up to 1TB of DDR3 1866MHz ECC RDIMM/LRDIMM in 32 DIMM sockets	Up to 1TB of DDR3 1866MHz ECC RDIMM/LRDIMM in 32 DIMM sockets
Expansion Slots	4x PCI-E 3.0 x16 (2x PCI-E 3.0 x8 in x16 slots)	4 x PCI-E 3.0 x16 LP slot (2x PCI-E 3.0 x8 in x16 slot)	1x PCI-E 3.0 x16 low-profile
Onboard Storage Controller	-TRF+: Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1; -7RFT+: LSI® 2208 controller for SAS2 (6Gbps) ports; HW RAID 0,1,5,6,10	-TRF+: Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1; -7RFT+: LSI® 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0,1,5	-TF+: Intel® C602 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1 -7FT+: LSI® 2208 controller for SAS2 (6Gbps) ports; HW RAID 0,1,5
Connectivity	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -7RFT+: Dual 10GBase-T ports with Intel® X540 controller	-TRF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller; -7RFT+: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller	-TF+: Dual LAN ports with Intel® i350 Gigabit Ethernet controller -7FT+: Dual 10GBase-T ports with Intel® X540 controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW video controller	Matrox G200eW video controller
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	5x 3.5" hot-swap SATA/SAS drive bays	6x 3.5" hot-swap SATA/SAS drive bays 1x slim DVD-ROM drive (optional)	3x 3.5" hot-swap SATA/SAS drive bays 1x slim DVD-ROM (optional)
Peripheral Bays	3x 5.25" peripheral bays	N/A	N/A
Power Supply	1400W Redundant Platinum Level Digital high-efficiency (94%+) power supplies with I²C & PMBus	1400W Redundant Platinum Level Digital high-efficiency (94%+) power supplies with I²C & PMBus	1400W Platinum Level Digital high-efficiency (94%+) power supply with I²C & PMBus
Cooling System	3x 9cm + 3x 8cm heavy duty fans with speed control	3x 8cm hot-swap cooling fans with air shroud with optimal fan speed control	7x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
Form Factor	4U Rackmount/Tower 462 x 178 x 721mm (18.2" x 7" x 28.4")	2U Rackmount 437 x 89 x 709mm (17.2" x 3.5" x 27.9")	1U Rackmount 437 x 43 x 705mm (17.2" x 1.7" x 27.75")

* Please check with your Supermicro sales representative for compatibility

MicroCloud

24 Nodes Available

**24/12/8 Modular UP Server Nodes in 3U •High-Density, High-Performance •High-Efficiency, and Cost-Effective
Easy-to-Service •Space Saving, Optimized for Cloud Computing and Web Hosting**

New!



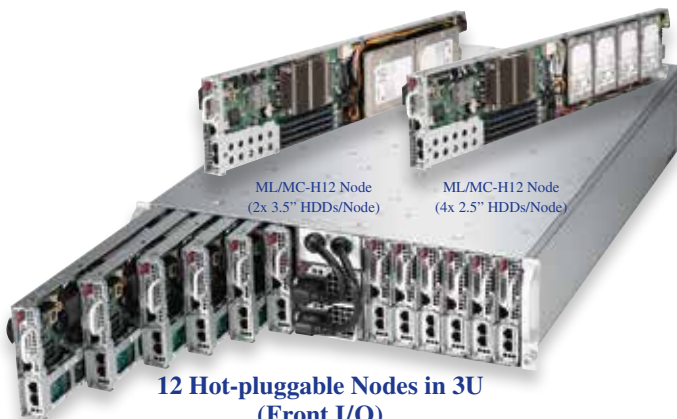
2x 2.5" SATA3 (6Gbps) HDDs per sled or
4x 2.5" Slim SSD per sled with Optional kit

**24 UP Nodes in 3U
(Front I/O)**

New! SYS-5038ML-H24TRF
Up to 24x 2.5" SATA3 HDDs, or
48x 2.5" slim SSD total



Rear View



ML/MC-H12 Node
(2x 3.5" HDDs/Node)

ML/MC-H12 Node
(4x 2.5" HDDs/Node)

**12 Hot-pluggable Nodes in 3U
(Front I/O)**

SYS-5038ML-H12TRF (Haswell)
SYS-5037MC-H12TRF (Ivy Bridge)



Up to 24x 3.5" or 48x 2.5" SATA HDDs Total;
4x 9cm heavy duty fans with optimal cooling zone



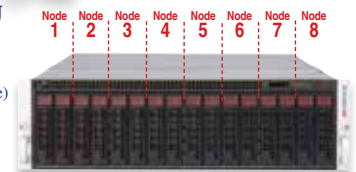
ML-H8 Node

MC-H8 Node

MR-H8 Node

**8 Hot-pluggable Nodes in 3U
(Rear I/O)**

SYS-5038ML-H8TRF/OEM (Haswell)
SYS-5037MC-H86RF/H8TRF/OEM (Ivy Bridge)
SYS-5037MR-H8TRF (Sandy Bridge)



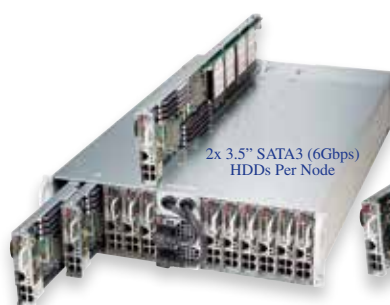
16x 3.5" hot-swap SATA3/SAS drive bays
(2 HDDs per node)

MicroCloud

The Supermicro MicroCloud modular server system provides the high density, performance, efficiency and cost effectiveness required for today's demanding server deployments. The 24/12/8 modular server nodes are conveniently integrated into a compact 3U chassis that is less than 30 inches deep, saving over 76% of rack space when compared to traditional 1U servers. The cable-less, hot-pluggable server nodes operate independently. Each node provides up to **128GB** DDR3-1866/1600MHz of ECC Unbuffered DIMM/ECC LR/RDIMM memory, one PCI-E 3.0 x8 expansion slot for low-profile add-on card, and 2x 3.5", or 4x 2.5" HDDs with optional kit. The MicroCloud system utilizes redundant Platinum Level (94%) high-efficiency power supplies and sophisticated cooling zone controls for a Green energy profile. Each node is powered by an Intel® Xeon® processor from either the newest E3-1200 v2 (up to 95W) & E3-1200 v3 family (up to 84W) or E5-2600 v2 product family (up to 130W).



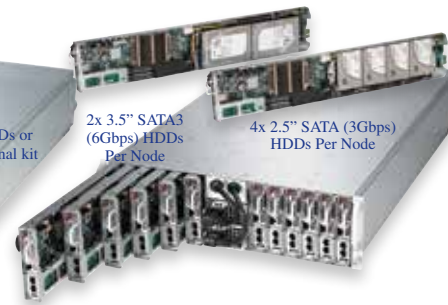
**MicroCloud
24x Avoton Nodes**



**MicroCloud
24x UP Nodes**



**MicroCloud
12x Hot-plug UP Nodes**



MODEL	MicroCloud SYS-5038MA-H24TRF	MicroCloud SYS-5038ML-H24TRF	MicroCloud SYS-5038ML-H12TRF
Processor Support	24 sets of single Intel® Atom processor C2750 (20W, 8-Core)	24 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron® Intel® Pentium®, Intel® Xeon® processor E3-1200 v3 series; ; Socket H3 (LGA 1150) up to 80W CPU	12 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron® Intel® Pentium®, Intel® Xeon® processor E3-1200 v3 series; ; Socket H3 (LGA 1150) up to 80W CPU
Key Applications	• CDN • Hosting & Application delivery • Web Cache • Web Server • Memcache	• Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download	• Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	• 24x Avoton Nodes in 12 hot-plug sleds, 2 nodes per sled • 1620W Redundant Platinum Level high-Efficiency power supplies • 2 Gigabit Ethernet Ports per Node • 32GB of DDR3 Unb. VLP ECC Memory per Node • Best Performance per Rack • High-density, Enterprise Class Performance, Cost-effective • 2x 2.5" SATA 3.0 (6Gbps) HDDs per node	• 24x UP Nodes in 12 hot-plug sleds, 2 nodes per sled • 2000W Redundant Platinum Level Digital high-efficiency power supplies • 2x 2.5" SATA3 (6Gbps) HDDs or 4x 2.5" slim SSD w/ optional kit per sled • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 + KVM with dedicated LAN • Multi-node UP server • UID LED	• 12x Hot-plug UP Nodes in 3U • 1620W Redundant Platinum Level high-efficiency power supplies • 4x 2.5" SATA / 2x 3.5 HDDs per node • High-density, Enterprise Performance, Cost-effective • IPMI 2.0 + KVM with dedicated LAN • Multi-node UP server • UID LED
Serverboard	SUPER● A1SA2-2750F	SUPER● X10SLE-DF	SUPER● X10SLE-F
Chipset	Avoton SOC	Intel® C224 chipset	Intel® C224 chipset
System Memory (Max.)*	24 sets of up to 32GB Unbuffered ECC, VLP DDR3-1600MHz in 4 DIMM Sockets	24 set of up to 32GB Unbuffered ECC, VLP DDR3-1600 MHz in 4 DIMM sockets	12 set of up to 32GB Unbuffered ECC, VLP DDR3-1600 MHz in 4 DIMM sockets
Expansion Slots	N/A	N/A	12 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	24 sets of Intel® Avoton for SATA3 (6Gbps) ports; RAID 0,1	24 set of Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1	12 set of Intel® C224 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
Connectivity	24 sets of Dual port GbE	24 set of Dual LAN Intel® i350 GbE LAN controller	12 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	24 sets of Aspeed AST 2400 Graphics	24 set of Aspeed AST2400 graphics	12 set of Aspeed AST2400 graphics
Management	12 sets of IPMI 2.0 + KVM with dedicated LAN (1 set shared between 2 nodes)	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	12 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	24 sets of 2x 2.5" SATA3 fixed HDDs per node	24 set of 1x 2.5" SATA3 fixed HDDs or 2x 2.5" slim SSD w/ optional kit	12 set of 2x 3.5" SATA3 fixed HDDs or 4x 2.5" fixed SATA3 HDDs w/ optional kit
Power Supply	1620W Redundant Platinum Level High-Efficiency power supplies	2000W Redundant Platinum Level Digital high-efficiency power supplies	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 9cm Heavy duty fans with optimal cooling zone	4x 9cm Heavy duty fans with optimal cooling zone	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")	3U Rackmount 444.5 x 132.5 x 791.2mm (17.5" x 5.21" x 31.15")	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")

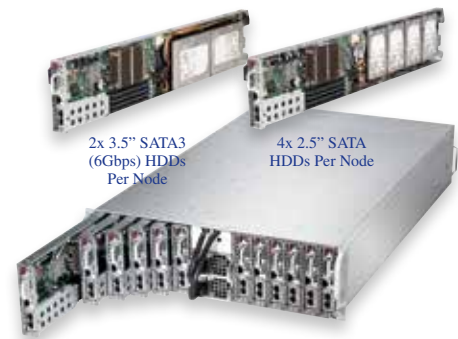
* Please check with your Supersmicro sales representative for compatibility



MicroCloud 8x Hot-plug UP Nodes



MicroCloud 12x Hot-plug UP Nodes



MODEL	MicroCloud SYS-5038ML-H8TRF SYS-5038ML-H8TRF-OEM	MicroCloud SYS-5037MC-H12TRF
Processor Support	8 set of single Intel® 4th Generation Core™ i3 series Intel® Celeron® Intel® Pentium® Intel® Xeon® processor E3-1200 v3 series; Socket H3 (LGA 1150), up to 84W CPU	12 set of single Intel® Xeon® processor E3-1200 v2 series, Intel® 2nd & 3rd Gen. Core i3 & Intel® Pentium® family processors; socket H2 (LGA 1155), up to 69W CPU
Key Applications	- Cloud Computing - Web Cache, CDN, Video Streaming - Web/Collocating Service - Social networking/download	- Cloud Computing - Web Cache, CDN, Video Streaming - Web/Collocating Service - Social networking/download
Outstanding Features	8x Hot-plug UP Nodes in 3U 1 PCI-E x8 slot 1620W Redundant Platinum Level high-efficiency power supplies - High-density, Enterprise Performance, Cost-effective - IPMI 2.0 + KVM with dedicated LAN - Multi-node UP server - Hot-swappable SAS/SATA3 (6Gbps) HDDs - UID LED	12x Hot-plug UP Nodes in 3U - High-density, Enterprise Performance, Cost-effective 69W CPU support - Micro-LP card upgradable - Up to 4x 2.5" / 2x 3.5" HDD per node - IPMI 2.0 with KVM over Dedicated LAN for each node 1620W Redundant Platinum Level power supplies
Serverboard	SUPERMICRO® X10SLD-F SUPERMICRO® X10SLE-HF (-OEM)	SUPERMICRO® X9SCE-F
Chipset	Intel® C224 chipset Intel® C226 chipset (-OEM)	Intel® C204 PCH chipset
System Memory (Max.)*	8 set of up to 32GB Unbuffered ECC, DDR3-1600 MHz in 4 DIMM sockets	12 set of up to 32GB Unbuffered ECC, VLP DDR3-1600/1333 MHz in 4 DIMM sockets
Expansion Slots	8 set of PCI-E 3.0 x8 low-profile slot and 8 set of Micro-LP slots (Micro-LP upgradable)	12 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	8 set of Intel® C224 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; Selected low-profile RAID or HBA RAID card to support SAS HDD	12 set of Intel® C204 for 2 SATA3 (6Gbps); RAID 0, 1
Connectivity	8 set of Dual LAN Intel® i350 GbE LAN controller	12 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of Aspeed AST2400 graphics	12 set of Matrox® G200eW graphics
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	12 set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog, SPM
Drive Bays	8 set of 2x 3.5" hot-swap SAS/SATA3 (6Gbps) HDDs	12 set of 2x 3.5" SATA3 or 4x 2.5" SATA (2x SATA3 + 2x SATA2) HDDs with optional kit
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm Heavy duty fans with optimal cooling zone	4x 9cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")	3U Rackmount 444.5 x 132.5 x 749.3mm (17.5" x 5.21" x 29.5")

* Please check with your Supermicro sales representative for compatibility



MicroCloud 8x Hot-plug UP Nodes



MicroCloud 8x Hot-plug UP Nodes



MODEL	MicroCloud SYS-5037MC-H8TRF SYS-5037MC-H86RF	MicroCloud SYS-5037MR-H8TRF
Processor Support	8 set of single Intel® Xeon® processor E3-1200 v2 series, Intel® 2nd & 3rd Gen. Core i3 & Intel® Pentium® family processors; socket H2 (LGA 1155), up to 95W CPU	8 set of single Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, up to 130W CPU
Key Applications	• Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download	• Cloud Computing • Web Cache, CDN, Video Streaming • Web/Collocating Service • Social networking/download
Outstanding Features	• 8x Hot-plug UP Nodes in 3U • High-density, Enterprise Performance, Cost-effective • Multi-node UP server • 95W CPU support • Hot-swappable SAS/SATA HDD • Expansion slot support • Cable-less design • IPMI 2.0 with KVM over Dedicated LAN for each node • 1620W Redundant Platinum Level power supplies	• 8x Hot-plug UP Nodes in 3U • High-density, High-performance, Cost-effective • Multi-node UP server • 130W CPU support • Hot-swappable SATA HDD • Expansion slot support • Cable-less design • Micro-LP card upgradable • IPMI 2.0 with KVM over Dedicated LAN for each node • 1620W Redundant Platinum Level power supplies
Serverboard	-H8TRF: SUPER® X9SCD-F -H86RF: SUPER® X9SCD+-HF	SUPER® X9SRD-F
Chipset	Intel® C204 PCH chipset	Intel® C602J chipset
System Memory (Max.)*	8 set of up to 32GB Unbuffered ECC, DDR3 1600/1333 MHz in 4 DIMM sockets	8 set of up to 128GB ECC Registered DDR3-1600/1333 MHz in 4 DIMM sockets
Expansion Slots	-H8TRF: 8 set of Intel® C204 for 2 SATA3 (6Gbps); RAID 0,1; -H86RF: 8 set of 1 PCI-E 3.0 x8 (low profile) and 8 set of Micro-LP slots	8 set of 1 PCI-E 3.0 x8 (low profile) and 8 set of Micro-LP slots (Micro-LP upgradable)
Onboard Storage Controller	8 set of 2 SATA/SAS HDD w/ selected RAID or HBA card	8 set of Intel® C602J for 2 SATA3 (6Gbps); RAID 0, 1
Connectivity	8 set of Dual LAN Intel® 82580DB GbE LAN controller	8 set of Dual LAN Intel® i350 GbE LAN controller
VGA/Audio	8 set of Matrox® G200eW graphics	8 set of Matrox® G200eW graphics
Management	8 set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog, SPM	8 set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog, SPM
Drive Bays	8 set of 2x 3.5" hot-swap SAS/SATA HDDs	8 set of 2 x 3.5" hot-swap SATA3 (6Gbps) drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies	1620W Redundant Platinum Level high-efficiency power supplies
Cooling System	4x 8cm Heavy duty fans with optimal cooling zone	4x 8cm Heavy duty fans with optimal cooling zone
Form Factor	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")	3U Rackmount 438.4 x 132.5 x 589mm (17.26" x 5.21" x 23.2")

* Please check with your Supermicro sales representative for compatibility



Intel® Xeon® Processor E5-2600 v3 (Haswell) Product Family Support

SuperWorkstation

New! Server Grade Quality for Knowledge Workers

Supports up to: • 36 Cores and 160W TDP • 1TB DDR4-2133MHz in 16 DIMMs

• 3 GPU/Xeon Phi™ with PCI-E 3.0 x16 • 7.1 HD Audio / SLI / Thunderbolt

*Compact DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card,
7.1 HD Audio, Thunderbolt Support*



SYS-7038A-i

*DP Workstation
5 PCI-E 3.0, Up to 2x Double-width GPUs +
1x Single-width Graphics Card,
7.1 HD Audio, Thunderbolt Support*



SYS-7048A-T

*4U GPU Workstation
Redundant 2000W Platinum Level power
4x PCI-E slots, 7.1 HD Audio Header
Xeon Phi™/Tesla® Kepler Ready! Thunderbolt Support*



SYS-7048GR-TR

Server Grade Quality for Knowledge Workers



Supermicro's server grade SuperWorkstation systems support up to: 1TB of DDR4-2133MHz Registered ECC memory in 16 DIMM slots, 3 PCI-E 3.0 x16 slots for GPU/Xeon Phi™ cards, and dual Gigabit Ethernet LAN ports. Other important workstation features include 7.1 HD audio, 11 USB ports (6 USB 3.0), SLI, Thunderbolt AOC, and 160W CPU support with dual Intel® Xeon® processor E5-2600 v3 product family up to 36 cores per system.

Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities. In addition, with Supermicro's signature server grade quality and support, customers will benefit from more processing capacity in less space with better efficiency, with less noise. Supermicro offers for these systems Global Services and Support featuring Next Business Day or 4-Hour Same Day hardware maintenance service.

Supermicro SuperWorkstations are optimized for customer applications requiring high I/O throughput, storage capacity, and powerful graphics capabilities including Science & Engineering, CAD/CAE/CAM, Digital Content Creation, Oil & Gas, and Digital Imaging. The rich multimedia features are excellent for Digital Entertainment.



New!
Thunderbolt Support
Supports 2 GPU/Xeon Phi™



New!
Thunderbolt Support
Supports 2 GPU/Xeon Phi™



New! GLOBAL SKU
Thunderbolt Support
Supports 4 GPU/Xeon Phi™



MODEL	SuperWorkstation SYS-7038A-i	SuperWorkstation SYS-7048A-T	SuperServer® SYS-7048GR-TR
Processor Support	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s (up to 160W)	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6GT/s (up to 160W)	Dual Intel® Xeon® Processor E5-2600 v3 (Haswell) product family with QPI up to 9.6 GT/s
Key Applications	2D/3D and CAD Applications 3D Rendering CAD/CAM/CAE Digital Content Creation Digital Imaging	2D/3D and CAD Applications 3D Rendering - CAD/CAM/CAE - Digital Content Creation - Digital Imaging	- HPC cluster computer nodes - Simulation and Creation Design - Imaging and Computer Vision
Outstanding Features	Thunderbolt 2.0 AOC Support Support 2 double width GPUs + 1 single width graphic card 6x USB 3.0 ports Up to 160W CPU support	- Tower or 4U Rackmount System - Thunderbolt 2.0 AOC Support - Support 2 double-width + 1 single-width GPUs/ Xeon Phi™ Coprocessors 8x 3.5" hot-swap drive bays - Up to 160W CPU support	16 DIMM support - Redundant 2000W Platinum Level high-efficiency power supplies 1TB DDR4 SDRAM 8 Hot-swap 3.5" SATA/SAS drive bays - IPMI 2.0 + KVM with dedicated LAN 7.1 HD Audio Header 4 x PCI-E 3.0 x16 slots, 2 x PCI-E 3.0 x8 (1 in x16), 1 x PCI-E 2.0 x4 (in x8)
Serverboard	SUPER● X10DAi	SUPER● X10DAi	SUPER● X10DRG-Q
Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC	3 PCI-E 3.0 x16 (2 double-width, 1 single-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 3.0 x4 (1 in x16 slot), Support Thunderbolt 2.0 AOC	4 PCI-E 3.0 x16 (double-width), 2 PCI-E 3.0 x8 (1 in x16 slot), 1 PCI-E 2.0 x4 (in x8), Support Thunderbolt 2.0 AOC
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 AHCI controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10;
Connectivity	Dual LAN with Intel® i210 Gigabit Ethernet Controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers
VGA/Audio	7.1 HD Audio	7.1 HD Audio	AST2400 VGA
Management	NMI, SuperDoctor® 5, Watchdog	NMI, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" drive bays (internal)	8x 3.5" hot-swap SATA drive bay	8x Hot-swap 3.5" SAS/SATA Drives
Peripheral Bays	2x standard 5.25" drive bay 1x 3.5" device	3x 5.25 drive bays	3x 5.25" drive bays in storage module - rotates 90° for Rackmount, 1x 3.5" fixed drive bay
Power Supply	900W Gold Level Multi-Output Power Supply	1200W Platinum Level Multi-Output Power Supply	Redundant 2000W Platinum Level high-efficiency power supplies with I²C & PMBus
Cooling System	2x 12cm (1859 RPM)	2x 2800 RPM fan; 1x 2700 RPM fan	4x 92x38mm 4-pin PWM Middle Cooling Fans, 2x 80x38mm 4-pin PWM Rear Exhaust Fans
Form Factor	Mid-Tower 424 x 193 x 525.3mm (16.7" x 7.6" x 20.68")	Tower/4U Rackmount 452 x 178 x 647mm (17.8" x 7" x 25.5")	4U Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



4U GPU (Active Cooling)
Xeon Phi™/Tesla® Kepler Ready!



4U GPU (Passive Cooling)
Xeon Phi™/Tesla® Kepler Ready!



MODEL	SuperServer® SYS-7047GR-TRF	SuperServer® SYS-7047GR-TPRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	• GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications	• GPU Server • Mission-critical application • Enterprise server • Large database, e-business, on-line transaction processing • Oil & gas applications • Medical applications
Outstanding Features	• Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies	• Up to 4 GPU Xeon Phi™ cards • 1620W Redundant Platinum Level high-efficiency power supplies
Serverboard	SUPER● X9DRG-QF	SUPER● X9DRG-QF
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with iFC & PMBus
Cooling System	4x 9cm hot-swap cooling fans with optimal fan speed control 2x 8cm hot-swap exhaust fan	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



**4U GPU (Passive Cooling)
Xeon Phi™/Tesla® Kepler Ready!**



DP Workstation



MODEL	SuperServer® SYS-7047GR-TPRF	SuperWorkstation SYS-7047A-73
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- GPU Server - Mission-critical application - Enterprise server - Large database, e-business, on-line transaction processing - Oil & gas applications - Medical applications	- CAD/CAM/CAE - Video Editing - Digital Content Creation - Financial Analysis & Research
Outstanding Features	- Up to 4 GPU Xeon Phi™ cards 1620W Redundant Platinum Level high-efficiency power supplies	- SAS 2.0 support 4 USB 3.0 ports 1200W Platinum Level high-efficiency power supply - Whisper-Quiet 27dB
Serverboard	SUPER● X9DRG-QF	SUPER● X9DA7
Chipset	Intel® C602 chipset	Intel® C602 chipset with QPI up to 8GT/s
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 (double-width) 2 PCI-E 3.0 x8 (1 in x16) 1 PCI-E 2.0 x4 (in x8)	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2308 controller 8 SAS ports; 2 SATA3 and 2 SATA2 with RAID 0, 1, 5, 10 from AHCI; 4 SATA2 RAID 0, 1, 5, 10 from SCU
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual LAN with Intel® i350 Gigabit Ethernet controller; 2 IEEE 1394a headers
VGA/Audio	Matrox® G200eW graphics	7.1 HD audio
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	3x 5.25" peripheral drive bays 1x 3.5" fixed drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1620W Redundant Platinum Level high-efficiency power supplies with I²C & PMBus	1200W Platinum Level high-efficiency power supply with I²C
Cooling System	4x 9cm hot-swap cooling fans with optimal fan speed control 4x 8cm hot-swap exhaust fan	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control
Form Factor	4U Rackmount/Tower 462 x 178 x 673mm (18.2" x 7" x 26.5")	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")

* Please check with your Supermicro sales representative for compatibility



DP Workstation



Enterprise-Class Hyper-Speed



Enterprise-Class Hyper-Speed



MODEL	SuperWorkstation SYS-7047A-T	SuperServer® SYS-7047AX-72RF	SuperServer® SYS-7047AX-TRF
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	- CAD/CAM/CAE - Video Editing - Digital Content Creation - Financial Analysis & Research	- Financial Analysis - Business Critical Applications - Enterprise Server - Oil & Gas - Enterprise class Hyper-Speed	- Financial Analysis - Business Critical Applications - Enterprise Server - Oil & Gas - Enterprise class Hyper-Speed
Outstanding Features	4 USB 3.0 ports 1200W Platinum Level high-efficiency power supply - Whisper-Quiet 27dB	- SAS RAID 0,1,10,5,50,60 8x 3.5" SATA drives - Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN	8x 3.5" SATA drives - Dual port IEEE 1394a headers 1280W Platinum Level Digital redundant high-efficiency power supplies - IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER [®] X9DAi	SUPER [®] X9DAX-7F	SUPER [®] X9DAX-iF
Chipset	Intel® C602 chipset with QPI up to 8GT/s	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8)	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 UIO PCI-E 3.0 x8
Onboard Storage Controller	2 SATA3 and 4 SATA2 with RAID 0, 1, 5, 10 from AHCI + 4 SATA2 RAID 0, 1, 5, 10 from SCU	LSI 2208 controller for 8 SAS2 (6Gbps) ports; HW RAID 0,1,5,10,50,60 Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0, 1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Intel® i350 Dual Port Gigabit Ethernet LAN; 2 IEEE 1394a headers	Intel® i350 Dual Port Gigabit Ethernet LAN	Intel® i350 Dual Port Gigabit Ethernet LAN
VGA/Audio	7.1 HD audio	Matrox® G200eW graphics 7.1 HD audio	Matrox® G200eW graphics 7.1 HD audio
Management	SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap SATA drive bays	8x 3.5" hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SATA drive bays
Peripheral Bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays	90-degree rotatable module: 3x 5.25" drive bays
Power Supply	1200W Platinum Level high-efficiency power supply with I ² C	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus	1280W Platinum Level Digital high-efficiency redundant power supplies with I ² C & PMBus
Cooling System	2x 8cm super quiet PWM fans and 1 x 9cm super quiet exhaust fans with optimal fan speed control	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed	4x 9cm hot-swap cooling fans and 2x 8cm exhaust fans with optimal fan speed
Form Factor	4U Rackmount/Tower 452 x 178 x 648mm (17.8" x 7" x 25.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")	4U Rackmount/Tower 437 x 178 x 673mm (17.2" x 7" x 26.5")

* Please check with your Supermicro sales representative for compatibility



High Performance Super Workstation, Versatile Features & I/O Access



Gaming System, Extreme Performance, Triple Display Support



MODEL	SuperWorkstation SYS-5038A-iL	SuperWorkstation SYS-5038AD-T
Processor Support	Single Intel® 4th Generation Core™ i3/i5/i7 series, Intel® Xeon® processor E3-1200 v3 series	Single Intel® 4th Generation Core™ i3/i5/i7 series
Key Applications	• CAD/CAM/CAE • Digital Imaging • Entry-Level Workstation • High-performance computing • Medical Applications • Oil & Gas • Simulation & Automation	• Gaming • HPC • Media/Streaming • Multimedia Appliance
Outstanding Features	• Cost effective UP platform • SATA 3.0 (6Gbps) support	• SATA 3.0 (6Gbps) support • 900W Gold Level Multi-Output power supply
Serverboard	SUPERMICRO® X10SAE	SUPERMICRO® C7Z87-OCE
Chipset	Intel® C226 chipset	Intel® Z87 chipset
System Memory (Max.)*	Up to 32GB ECC/Non-ECC UDIMM in 4 sockets; DDR3 up to 1600 MHz	Up to 32GB Unbuffered non-ECC, DDR3-1600 MHz in 4 DIMM sockets (support overclocking up to 2133MHz (OC**)/2200MHz (OC**)/2400MHz (OC**)/2600MHz (OC*)/2800MHz (OC**)/3000MHz (OC**))
Expansion Slots	2 PCI-E 3.0 x16 (x16/NA or x8/x8); 3 PCI-E 2.0 x1 in x4 slots 2 PCI-E 32-bit	3 PCI-E 3.0 x16 slots (16/NA/NA or 8/8/NA or 8/4/4); 3 PCI-E 2.0 x1 (in x4 slot)
Onboard Storage Controller	Intel® C226 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports; RAID 0,1	Intel® Z87 controller for 6 SATA3 (6Gbps) ports; RAID 0,1,5,10; ASM1061 controller for 2 SATA3 (6Gbps) ports
Connectivity	Single LAN with Intel® Ethernet Controller I210; Single LAN with Intel® Ethernet Controller I217	Single LAN with Intel® Ethernet Controller i210AT; Single LAN with Intel® Ethernet Controller i217V
VGA/Audio	1 DVI, 1 VGA, 1 HDMI, 1 Display Port; Triple Display Capable, ALC 1150HD	1 DVI, 1VGA, 1 HDMI and 1 Thunderbolt port; ALC 1150HD
Management	AMT; SuperDoctor III; vPro; Watchdog	SuperDoctor III; Watchdog
Drive Bays	4x 3.5" hot-swap HDD bays for server chassis	3x 3.5" internal hot-swap drive bays, 2x 3.5" front hot-swap drive bays & optional front 4x 2.5" hot-swap drive bay cage
Peripheral Bays	1x standard 5.25" drive bay; 1x 3.5" internal fixed drive bay	2x standard 5.25" drive bays; 1x standard 3.5" drive bay
Power Supply	500W high-efficiency power supply	900W Gold Level Multi-Output power supply
Cooling System	1x 12cm (1859 RPM) rear exhaust fan	1x 12cm rear exhaust fan, 1x 12cm front cooling fan; Support liquid cooling ready
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Gaming Mid-Tower 220 x 510 x 580mm (8.66" x 20.08" x 22.83")

* Please check with your Supermicro sales representative for compatibility

**Overclocking may void motherboard warranty. Please check the operation manual or online at www.Supermicro.com for supported components



Compact DP Workstation



Compact DP Workstation



MODEL	SuperWorkstation SYS-7037A-i	SuperWorkstation SYS-7037A-iL
Processor Support	Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families, Intel® Core™ i7 Extreme/Performance series with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2400 and E5-2400 v2 product families with QPI up to 8GT/s
Key Applications	CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing	CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing
Outstanding Features	- Supports 2 double width GPU/ Xeon Phi™ cards + 1 standard width card - Optimized Thermal Solution, <21 dB - Cost effective & Tool-less design - Short-depth, space saving design 900W Gold Level high-efficiency power supply	- Optimized Thermal Solution, <21 dB - Cost effective & Tool-less design - Short-depth, space saving design 500W high-efficiency power supply
Serverboard	SUPERMICR® X9DAi	SUPERMICR® X9DAL-i
Chipset	Intel® C602 chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1GB ECC LRDIMM, 512GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 192GB of ECC Reg. DDR3-1600 MHz SDRAM in 6 DIMM sockets
Expansion Slots	3 PCI-E 3.0 x16, 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8)	1 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 3.0 x4 (in x8 slot) 1 PCI 32-bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; RAID 0,1,5,10 4 SATA2 (3Gbps) ports; RAID 0,1,10	Intel® C602 controller for 2 SATA3 (6Gbps) ports; RAID 0,1; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10; Intel® SCU controller for 4 SATA2 (3Gbps) ports; RAID 0,1,5,10
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller; 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 7 USB 2.0 ports (2 front + 4 rear, 1 Type A)	Dual LAN with Intel® 82574L Gigabit Ethernet Controller; 4 USB 3.0 (5Gbps) ports (2 front + 2 rear) and 10 USB 2.0 ports (6 front + 4 rear)
VGA/Audio	Front HD audio ports, IEEE 1394a dual ports	Front HD audio ports
Management	SuperDoctor® 5, Watchdog	SuperDoctor® 5, Watchdog
Drive Bays	4x 3.5" fixed SATA drive bays 4x 2.5" internal HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan	1x 12 cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative for compatibility



UP Workstation



UP Workstation



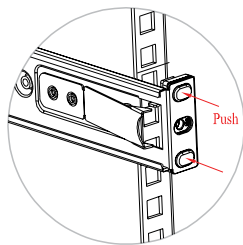
MODEL	SuperWorkstation SYS-5037A-i	SuperWorkstation SYS-5037A-iL
Processor Support	Single Intel® Xeon® Processor E5-1600/2600 v2 family, Intel® Core™ i7 Extreme/Performance series	Single Intel® Xeon® E3-1200, E3-1200 v2 series, 2nd & 3rd generation Core i3, Pentium & Celeron series
Key Applications	CAD/CAM/CAE, Digital Content Creation, Non-Linear Editing	- CAD/CAM/CAE - Photo Editing - Digital Content Creation - Financial Analysis, Research
Outstanding Features	- Supports 2 double width GPU cards - Optimized Thermal Solution - Cost effective & Tool-less design - Whisper-Quiet 21dB 90° rotatable HDD Cage Design - High Performance Mainstream SuperWorkstation - Easy Access with 2 Front USB 3.0 and 2 front USB 2.0 900W Gold Level high-efficiency power supply	- X9 Entry Level Workstation - Whisper-Quiet 21dB 90° rotatable HDD Cage Design - Easy access with 2 front USB 3.0 and 2 front USB 2.0 - Front Panel LED for System Health Indication 500W Bronze Level high-efficiency power supply
Serverboard	SUPERMICR® X9SRA	SUPERMICR® X9SAE
Chipset	Intel® C602 chipset	Intel® C216 chipset
System Memory (Max.)*	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Up to 32GB DDR3 1600 ECC or Non-ECC UDIMM in 4 DIMM Sockets
Expansion Slots	2 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8) 1 PCI-E 2.0 x4 (in x8) 1 PCI 32-bit	1 PCI-E 3.0 x16 2 PCI-E 2.0 x4 (1 in x8 slot) 2 PCI-E 2.0 x1 1 PCI-32 bit
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps), 4 SATA2 (3Gbps) ports; 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	2 x SATA3.0 (6Gbps) w/ RAID 0,1 4 x SATA2.0 (3Gbps) w/ RAID 0,1,5,10
Connectivity	Dual LAN with Intel® 82579LM and 82574L Gigabit Ethernet controllers 4 USB 3.0 (5Gbps) ports (2 rear + 2 via headers) and 14 USB 2.0 ports (8 rear, 6 via headers)	Dual Gigabit LAN with Intel® 82579LM and 82574L ; 4 USB3.0 (5Gbps) ports (2 rear + 2 front) 8 USB2.0 ports (4 rear, 4 via header)
VGA/Audio	Front HD audio ports Realtek ALC889 7.1 HD audio w/ S/PDIF	VGA + 2 HDMI Video. Triple-Display Support 7.1 HD Audio ports Front HD audio ports
Management	SuperDoctor® 5, Watchdog, NMI	SuperDoctor® 5, Watchdog, NMI
Drive Bays	4x 3.5" fixed SATA drive bays 4x internal 2.5" HDD/SSD bays (optional)	4x 3.5" fixed SATA drive bays 4x 2.5" Internal HDD/SSD bays (optional)
Peripheral Bays	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay	2x 5.25" peripheral drive bays 1x 3.5" peripheral drive bay
Power Supply	900W Gold Level high-efficiency power supply	500W Bronze Level high-efficiency power supply
Cooling System	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)	1x 12cm rear exhaust fan 1x 12cm front cooling fan (optional)
Form Factor	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")	Mid-Tower 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

* Please check with your Supermicro sales representative for compatibility

Quick-Release Slide Rails

The Supermicro Tool-less, Quick-release Slide Rails

Designed for quick and easy installation and access to Supermicro's server equipment. Several different sizes are provided to accommodate a variety of Supermicro server systems.



Model Part#	MCP-290-00054-0N	MCP-290-00062-0N
Product	Optional rail set	Optional rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	25.6"~33.05"
Compatible Chassis	Optional for SC813, 814, 815	Optional for SC118, 119, 808, 809, 816, 818, 819



For Short-depth Chassis Rack



Model Part#	MCP-290-00052-0N-Bulk	MCP-290-00056-0N
Product	Optional outer rail bulk pack	Optional short-depth outer rail
Content	Quick-release outer rail (10 set/pack)	Short quick-release outer rail
Chassis Type	1U, 17.2" width	1U, 17.2" width in short-depth rack
Mechanism	Linear	Linear
Outer Rail Extendable Length	25.6"~33.05"	19"~26.4"
Compatible Chassis	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819	Optional for SC113, 113M, 118, 119, 512F-280/350/410/441/520/600, 515, 808, 809, 813, 813M, 814, 815, 816, 818, 819



For Short-depth Chassis Rack



Model Part#	MCP-290-00053-0N	MCP-290-00057-0N	MCP-290-00058-0N
Product	Default rail set	Default rail set	Optional short-depth rail set
Content	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail	Quick-release inner rail + quick-release outer rail
Chassis Type	2~3U, 17.2" width	4U, 17.2" width	2~4U, 17.2" width in short-depth rack
Mechanism	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N	Ball-bearing, support round hole racks with adapter MCP-290-00060-0N
Outer Rail Extendable Length	26.5"~36.4"	26.5"~36.4"	19"~26.6"
Compatible Chassis	Default for SC213, 216, 823M, 825, 825M, 826, 827, 828, 835, 836, 936, 937, 938, 939	Default for SC417, 418, 758, 846, 847, 848, optional for SC842	Optional for SC213, 216, 417, 418, 747, 748, 758, 823M, 825, 825M, 826, 827, 828, 835, 836, 842, 846, 847, 848, 936, 937, 938, 939

SuperRack® Total Solutions



**42U Open Frame
SRK-42OR-03**
(1016mm Deep)
Generation 2



**42U Enclosure
SRK-42SE-03**
(1016mm Deep)
Generation 2



**42U Open Frame
SRK-42OR-01**
(950mm Deep)



**42U Open Frame
SRK-42OR-02**
(1175mm Deep)



**42U Enclosure
SRK-42SE-01**
(1000mm Deep)



**42U Enclosure
SRK-42SE-02**
(1225mm Deep)

Supermicro's SuperRack® systems were designed for ease of integration, implementation, and deployment. Their easy rear access and modularized Building Block design makes them ideal for hot-swap-capable servers, such as Supermicro's Twin and Double-Sided Storage® families. For a rack system that is convenient, reliable, and customizable, the Supermicro SuperRack® is the ideal choice.

Key Features:

Per-U Design - Ground-breaking Per-U design concept simplifies cable management and minimizes integration time

Accessible - Versatile **Front and Rear access hot-plug optimizations** provide an improve service experience

Optimized Air Flow - Reduced cabling optimizes air flow and improves cooling

Building Block Design - Building-block design and intuitive installation process reduce overall deployment schedules

Expandable - With unique add-on expansion units the SuperRack® easily accommodates many different server configurations

Customizable - Fully customizable options offer a well-rounded total Rack solution and service

SuperRack® Total Solution - Supermicro provides rack system configuration, integration, testing, burn-in, shipping whole rack system to enduser, please contact sales for details



- Versatile Front and Rear access hot-plug optimizations



- Per-U Design simplifies cable management and minimizes integration time

SuperRack® Solutions:

Pre-Configured, Fully Tested and Application Optimized

- Hadoop Clusters for Big Data Analytics
- Rack Solutions for Virtualization and Cloud Computing
- Rack Solutions for Search Engine, Web 2.0
- HPC Clusters with GPU/Xeon Phi™ Accelerator
- Scale-Out Storage with Extreme Drive Density
- Rack Integration Service from Design to Delivery

For detailed information, please contact your Supermicro sales representative; or, visit: <http://www.supermicro.com/products/rack>



42U SuperRack® Front View

(Rear View)

Network Adapters

Faster, More Flexible Networking

With outstanding performance, high power efficiency and excellent value, Supermicro's network adapters can help improve network throughput and application performance through features that maximize bandwidth and offload CPU resources. From 10Gb Ethernet to InfiniBand technologies, Dual-port and quad-port connectivity, in UIO (Universal I/O) and standard form factors, Supermicro's network adapters are optimized for the most demanding multi-core computing systems.

GbE Controllers



Model	AOC-CG-i2	AOC-CGP-i2	AOC-PG-i2+*	AOC-UG-i4*
Type	MicroLP	MicroLP	Proprietary	UIO
Description	Dual-port GbE	Dual-port GbE	Low-profile Dual-port GbE	Full-height quad-port GbE
Interface	PCI-E x4	PCI-E x4	PCI-E x4	PCI-E x8
Port	2 RJ45 ports	2 RJ45 ports	2 RJ45 ports	4 RJ45 ports
Speed	1 Gb/port	1 Gb/port	1 Gb/port	1 Gb/port
Controller	Intel® 82580	Intel® i350	Intel® 82576EB	2x Intel® 82571EB
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	3.78" x 2.44" (9.6 x 6.2cm)	6.57" x 3.86" (16.69 x 9.80cm)
Compatible Motherboards	X9SCD-F	X9DRT-HF+, X9SRD-F, X9DRFR	X8DTU/-F (Require RSC-R1UU-E8PR)	All UIO motherboards
Compatible Servers	5037MC-H8TRF	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	6016T-UF, 6016T-NTE, 6016T-NTRF, 1026T-URF, 1026T-UF, 6016T-URF (Require RSC-R1UU-E8PR)	All UIO servers

NEW!

IB Controllers



Model	AOC-CIBQ-m1	AOC-CIBF-m1	AOC-UIBF-m1	AOC-UIINF-m2	AOC-UIBQ-m2	AOC-UIBQ-m1
Type	MicroLP	MicroLP	UIO	UIO	UIO	UIO
Description	MicroLP single-port IB QDR	MicroLP single-port IB FDR/40G Ethernet	Low-profile single-port IB FDR/40G Ethernet	Low-profile Dual-port IB DDR/10G Ethernet	Low-profile Dual-port IB QDR/10G Ethernet	Low-profile single-port IB QDR/10G Ethernet
Interface	PCI-E 3.0 x8	PCI-E 3.0 x8	PCI-E x8	PCI-E x8 2.0 (5GT/s)	PCI-E x8 2.0 (5GT/s)	PCI-E x8 2.0 (5GT/s)
Port	1 QSFP port / 2 USB ports	1 QSFP port / 2 USB ports	1 QSFP port	2 CX4 ports	2 QSFP ports	1 QSFP port
Speed	40Gb/port (IB) or 10Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	20 Gb/port (IB) or 10Gb/port (Ethernet)	40Gb/port (IB) or 10Gb/port (Ethernet)	40 Gb/port (IB) or 10Gb/port (Ethernet)
Controller	Mellanox® ConnectX-3 QDR	Mellanox® ConnectX-3 FDR	Mellanox® ConnectX-3 FDR	Mellanox® ConnectX-2 DDR	Mellanox® ConnectX-2 QDR	Mellanox® ConnectX-2 QDR
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	5.63" x 2.50" (14.29 x 6.35cm)	5.59" x 2.72" (14.2 x 6.9cm)	5.63" x 2.50" (14.29 x 6.35cm)	5.63" x 2.50" (14.29 x 6.35cm)
Compatible Motherboards	X9DRT-HF+, X9SRD-F	X9DRT-HF+, X9SRD-F, X9DRFR	All UIO Motherboards	All UIO motherboards	All UIO motherboards	All UIO motherboards
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	All UIO Systems	All UIO servers	All UIO servers	All UIO servers

NEW!

NEW!

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SFP+ Transceiver

10GbE Controllers



Model	AOC-STG-b4S	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S	AOC-UTG-i2*	AOC-E10GSFSPSR
Type	Standard Low-profile	MicroLP	MicroLP	MicroLP	UIO	SFP+ Transceiver 1000Base-SX / 10GBase-SR plug-in module
Description	Standard Low-profile 10GbE	MicroLP Dual-port 10GbE	Dual-port 10GbE	Single-port 10GbE	Full-height Dual-port 10GbE	Cabling Type: MMF 62.5/50 µm
Interface	PCI-E x8	PCI-E 2.0 x8	PCI-E x8	PCI-E x8	PCI-E x8	Products supported: Motherboards: X9DRW-7TFP+, X9DRW-ITPF+, X9DRW-7TFP, X9DRW-ITPF, X9DB3-TFP, X9DBI-TFP, X8DTU-6TF+, Systems: 6027R-72RFTP+, 2027R-72RFTP+, 1027R-72RFTP, 6017R-72RFTP, 1027R-72BRFTP, 1026T-6RFT+, 6016T-6RFT+, 2026T-6RFT+, 6026T-6RFT+, SBM-GEM-X2C+, SBM-GEM-X3S Add-on Cards: AOC-STGN-i2S, AOC-CTG-i1S, AOC-CTG-i2S, AOC-STGN-i1S Switches: SSE-X3348S, SSE-X3348SR, SSE-X24S, SSE-X24SR, SSE-G24-TG4, SSE-G48-TG4, SSE-X24S
Port	4 SFP+	2 RJ45	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports	2 CX4 ports	
Ethernet Speed	10Gb/port	10Gb/port	10Gb/port	10Gb/port	10 Gb/port	
Controller	Broadcom® BCM57840S	Intel(R) X540	Intel® 82599ES	Intel® 82599EN	Intel® 82598EB	
Dimension (LxW) (without end brackets)	5.91" x 2.73" (15 x 6.9cm)	4.8" x 3.0" (12.32 x 7.66cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	6.57" x 3.86" (16.69 x 9.80cm)	
Compatible Motherboards	All MBs with a PCI-E x8 slot	X9DRT-HF+, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	All UIO motherboards	
Compatible Servers	All servers with a PCI-E x8 slot	2U Twin+, and FatTwin w/ 4-node only	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	All UIO servers	

* Standard form factor is available as integrated solution with Supermicro server and motherboards.

Network Adapters / BBP®

Micro-LP Cards for 2U Twin Servers

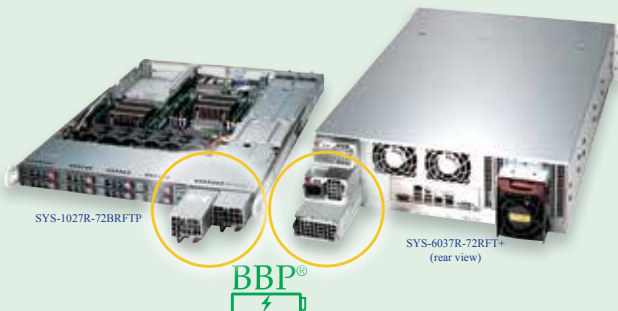
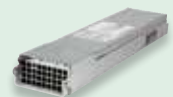
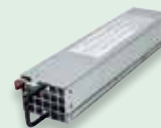


Model	AOC-CIBF-m1	AOC-CTG-i1S	AOC-CTG-i2S	AOC-CGP-i2	AOC-CIBQ-m1	AOC-CTG-i2T
Type	Micro-LP	Micro-LP	Micro-LP	Micro-LP	MicroLP	MicroLP
Description	Micro-LP single-port IB FDR/40G Ethernet	Single-port 10GbE	Dual-port 10GbE	Dual-port GbE	MicroLP single-port IB QDR	MicroLP Dual-port 10GbE
Interface	PCI-E 3.0 x8	PCI-E x8	PCI-E x8	PCI-E x4	PCI-E 3.0 x8	PCI-E 2.0 x8
Port	1 QSFP port / 2 USB ports	1 SFP+ port / 2 USB ports	2 SFP+ ports / 2 USB ports	2 RJ45 ports	1 QSFP port / 2 USB ports	2 RJ45
Speed	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	1Gb/port	40Gb/port (IB) or 10Gb/port (Ethernet)	10Gb/port
Controller	Mellanox® ConnectX-3 FDR	Intel® 82599EN	Intel® 82599ES	Intel® i350	Mellanox® ConnectX-3 QDR	Intel(R) X540
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.8" x 3.0" (12.32 x 7.66cm)
Compatible Motherboards	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F, X9DRFR	X9DRT-HF+, X9SRD-F	X9DRT-HF+, X9DRFR
Compatible Servers	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	MicroCloud, 2U Twin2+, 2U Twin+, and FatTwin	2U Twin+, and FatTwin w/ 4-node only

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Model	PWS-206B-1R	PWS-1K03B-1R
Total Output Power	200W / 5 minutes	1000W / 2.5 minutes
Input	Work w/ PWS-406P/503P/606P/703P-1R	Work w/ PWS-1K28P-SQ/ PWS-920P-SQ/ PWS-741P-1R/PWS-501P-1R
Form Factor	1U	1U
Dimension (LxWxH) cm	22 x 5.45 x 4	36 x 7.6 x 4
Output Type*	Backplanes available	Backplanes available
Redundant	Yes	Yes
I²C Remote Monitoring	FRU/Smart battery I²C	FRU/Smart battery I²C
+5V	-	-
+12V	16.7A	83.3A
+3.3V	-	-
5VSB	2A	4A
-12V	-	-
Efficiency	Online mode power consumption <1W	Online mode power consumption <1W

For detailed information, please contact your Supermicro sales representative; visit: <http://www.supermicro.com/BBP>

HBA and SAS RAID Cards

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6Gbps



Model name	AOC-S3108L-H8iR†	AOC-S3008L-L8e†	AOC-S3008L-L8i†	AOC-S2208L-H8iR	AOC-S2308L-L8e
Type	Standard	Standard	Standard	Standard	Standard
Controller/IOP	LSISAS 3108	LSISAS 3008	LSISAS 3008	LSISAS 2208	LSISAS 2308
SAS Port	8 ports, 12Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives	8 ports, 12Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives,	8 ports, 6Gbps per port, 8 Internal, Low Profile, 122 SATA/SAS Drives
RAID	RAID 0,1,5,6,10,50,60	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,6,10,50,60	IT/HBA Mode
Onboard Cache	2GB DDR3 on-card cache Optional SuperCap: BTR-TFM8G-LSICVM02. Installation kit PN =MCP-240-00127-0N	-	-	1GB DDR3 on-card cache w/ Battery Back-up or SuperCap, Optional Battery Backup Unit: BTR-0022L-LSI00279 / MCP-450-00001-0N / Ambient Temp 45C; SuperCap option: BTR-0024L-H-LSI00297. Installation kit PN =MCP-240-00127-0N	-

6Gbps



6Gbps



6Gbps



6Gbps



6Gbps



Model	AOC-S2308L-L8i	AOC-SAS2LP-H8iR	AOC-SAS2LP-H8iR-16DD	AOC-USAS2LP-H8iR*	AOC-USAS2-L8iR
Type	Standard	Standard	Standard	UIO	UIO
Controller/IOP	LSISAS 2308	LSISAS 2108	LSISAS 2108	LSISAS 2108	LSISAS 2008
SAS Port	8 ports, 6Gbps per port, 8 Internal, Low Profile, 63 SATA/SAS Drives	8 ports, 6Gbps per port, 8 Internal, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile 16 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile	8 ports, 6Gbps per port 8 Internal
RAID	RAID 0,1,10	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,6,10,50,60	RAID 0,1,5,10
Onboard Cache	-	512MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LSI00264	512MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LSI00264	512 MB DDR2 on-card cache w/ Optional Battery Backup Unit: BTR-0023L-LSI00264	-

6Gbps



6Gbps



6Gbps



6Gbps



Model	AOC-USAS2-L8i	AOC-USAS2-L8E	AOC-SAS2LP-H4iR	AOC-SAS2LP-MV8
Type	UIO	UIO	Standard	Standard
Controller/IOP	LSISAS 2008	LSISAS 2008	LSISAS 2108	Marvel 9480 based
SAS Port	8 ports, 6Gbps per port 8 Internal	8 ports, 6Gbps per port 8 Internal	8 ports, 6Gbps per port, 4 Internal, 4 external, Low Profile, 240 SATA/SAS Drives	8 ports, 6Gbps per port 8 Internal, Low Profile
RAID	RAID 0,1,10,1E	IT mode / HBA	RAID 0,1,5,6,10,50,60	HBA
Onboard Cache	-	-	512MB DDR2 on-card cache w/ battry w/ Optional Battery Backup Unit: BTR-0023L-LSI00264	-



Model	AOC-USAS-L8i**	AOC-USASLP-L8i**	AOC-USAS-L4i**	AOC-USAS-L4iR**	AOC-SASLP-MV8**
Type	UIO	UIO	UIO	UIO	Standard
Controller/IOP	LSISAS 1068E	LSISAS 1068E	LSISAS 1068E	LSISAS 1068E	Marvell Hercules-2
SAS Port	8 ports, 3Gbps per port 8 Internal	8 ports, 3Gbps per port 8 Internal, Low Profile	8 ports, 3Gbps per port 4 Internal, 4 External	8 ports, 3Gbps per port 4 Internal, 4 External	8 ports, 3Gbps per port 8 Internal, Low Profile
RAID	IT/HBA Mode	IT/HBA Mode	RAID 0,1,10	RAID 0,1,5,10	HBA only
Onboard Cache	-	-	-	-	-

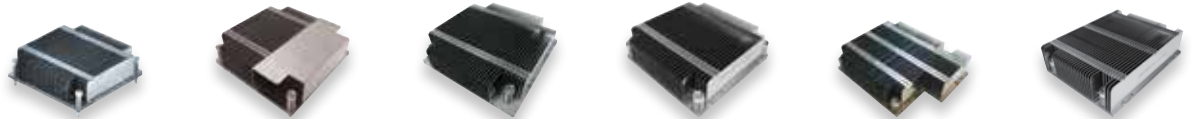
* Applies to 2U low-profile, 3U and 4U chassis.

** EOLed

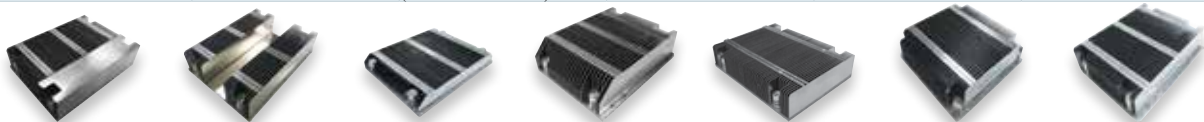
† Available as integrated solutions with Supermicro servers.

Heatsinks (X10/X9)

X9 and X10 1U Passive CPU Heat Sinks for UP, DP, and MP Systems



Part Number	SNK-P0037P	SNK-P0041	SNK-P0046P	SNK-P0047P	SNK-P0047PD	SNK-P0047PS
Form Factor	1U Passive, DP	Proprietary 1U Passive, DP (X9DBL Front CPU)	1U Passive, UP (X10/X9)	1U Passive, UP, DP	1U Passive, Proprietary, DP	1U Passive, UP, DP, MP
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 Series; 2nd Generation Intel® Core™ i3 Processors	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 and E5-4600 Series
Socket Type	LGA 1356	LGA 1356	LGA 1155 & LGA1150	LGA 2011 (Square ILM)	LGA 2011 (Square ILM)	LGA 2011 (Narrow ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Copper Base Aluminum Fins	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes
Dimension	90L x 90W x 27H mm	90L x 90W x 27H mm	95L x 95W x 27H mm	90L x 90W x 26H mm	90L x 110W x 27H mm	104L x 80W x 26H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs Mounting Bracket (BKT-0028L Included)	Screws + Springs	Screws + Springs	Screws + Springs



Part Number	SNK-P0047PSC	SNK-P0047PSM	SNK-P0047PSR	SNK-P0047PS+	SNK-P0047PW	SNK-P0057P	SNK-P0057PS
Form Factor	Proprietary 1U Passive, DP (1U 3/4 GPU/Xeon Phi™ Front CPU)	Proprietary 1U Passive, DP (2U Twin2+ Front CPU), Twin Pro2	Low Profile Passive, Proprietary, UP (X10/X9) 12-node MicroCloud Servers	Proprietary 1U Passive, UP (X10/X9) (Micro Cloud Server)	Proprietary 1U Passive, DP (2U Twin2 Rear CPU)	1U Passive, UP, DP	1U Passive, UP, DP, MP
CPU Type	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® processor E3-1200/E3-1200v2/E3-1200v3 series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 and E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600, E5-2600 v2, and E5-2600 v3 Series	Intel® Xeon® Processor E5-2600, E5-2600 v2, E5-2600 v3, and E5-4600 Series
Socket Type	LGA 2011 (Narrow ILM)	LGA 2011 (Narrow ILM)	LGA 1155 & LGA 1155	LGA 1155 & LGA1150, LGA2011 (Narrow ILM)	LGA 2011 (Square ILM)	LGA 2011 (Square ILM)	LGA 2011 (Narrow ILM)
Major Integrated Part	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Copper + Aluminium Base Copper Fins Heat Pipes	Copper + Aluminium Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes	Copper + Aluminum Base Copper Fins Heat Pipes
Dimension	104L x 80W x 26H mm	104L x 80W x 26H mm	104L x 80W x 15H mm	104L x 80W x 30H mm	90L x 116W x 26H mm	90L x 90W x 26H mm	104L x 80W x 26H mm
Mounting Method	Screws + Springs	Screws + Springs	Springs + Screws	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

X9 and X10 2U Passive CPU Heat Sinks for UP, DP, and MP Systems



Part Number	SNK-P0038P	SNK-P0048P	SNK-P0048PS	SNK-P0048PSC	SNK-P0048PW	SNK-P2048P
Form Factor	2U(+) Passive, DP	2U(+) Passive, UP, DP	2U(+) Passive, UP, DP, MP	Proprietary 2U Passive, DP (2U WIO+ Server)	Proprietary 2U Passive, DP (2U Twin Rear CPU)	Proprietary 2U Passive, DP (HFT Series Servers)
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 and E5-4600 Series	Intel® Xeon® Processor E5-2600, E5-2600 v2, and E5-2600 v3 Series	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family
Socket Type	LGA 1356	LGA2011 (Square ILM)	LGA2011 (Narrow ILM)	LGA2011 (Narrow ILM)	LGA 2011 (Square ILM)	LGA2011 (Square ILM)
Major Integrated Part	Copper + Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes	Aluminum Base Copper + Aluminum Fins Heat Pipes	Aluminum Base Aluminum Fins Heat Pipes
Dimension	90L x 90W x 64H mm	90L x 90W x 64H mm	104L x 80W x 64H mm	104L x 80W x 64H mm	90L x 116W x 64H mm	90L x 170W x 64H mm
Mounting Method	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs	Screws + Springs

X9 and X10 Active CPU Heat Sinks for UP and DP Systems



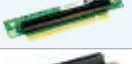
Part Number	SNK-P0035AP4	SNK-P0040AP4	SNK-P0046A4	SNK-P0048AP4	SNK-P0050AP4	SNK-P2050AP4	SNK-P0051AP4
Form Factor	4U Active, DP	4U Active, DP	2U(+) Active, UP (X10/X9)	2U(+) Active, UP, DP	4U Active, UP, DP	Proprietary 4U Active, DP (HFT Series Servers)	4U Active, UP
CPU Type	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E5-2400 & E5-2400 v2 & v3 Series	Intel® Xeon® Processor E3-1200, E3-1200 v2 & v3 Series; 2nd Generation Intel® Core™ i3 Processors	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E5-2600 & E5-2600 v2 & v3 product family	Intel® Xeon® Processor E3-1200v2/v3 family
Socket Type	LGA 1356	LGA 1356	LGA1155 & LGA1150	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square and Narrow ILMs)	LGA 2011 (Square ILM)	LGA 1150 & LGA 1155
Material	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Rear Side)	Copper Base Aluminum Fins Cooling Fan (Top)	Aluminum Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Middle Side)	Copper Base Aluminum Fins Heat Pipes Cooling Fan (Front Side)
Dimension	105L x 100W x 126H mm	105L x 100W x 126H mm	90D x 65H mm	85L x 80W x 65L mm	105L x 93W x 126H mm	96L x 130W x 125H mm	105L x 93W x 128H mm
Mounting Method	Screws + Springs Mounting Bracket (BKT-0023L Included)	Screws + Springs	Push-in Pins	Screws + Springs; Mounting Brackets (BKT-0048L-RS and BKT-0048L-RN Included)	Screws + Springs; Mounting Brackets (for Square and Narrow ILMs Included)	Screws + Springs	Back Plate + Springs + Screws, BKT-0028L Included

Riser Cards

1U GPU/Xeon Phi™ (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Out- put Type	Design Type	X9 Sup- port	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Sup- port	Gen3 Sup- port	Auto Dete- ction
	RSC-R1UG-E16BR-X9	1U GPU LHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRG-HF	118GQ	1027GR-TQF, 1027GR-TQF-FM409, 1027GR-TQF-FM475, 1027GR-TQF-T, 1027GR-TRF, 1027GR-TRF-FM309, 1027GR-TRF-FM375, 1027GR-TRFT, 1027GR-TSF	Yes	Yes	Yes	No
	RSC-R1UG-E16-UP	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9SRG-F	N/A	1017GR-TF, 1017GR-TF-FM209, 1017GR-TF-FM275, 5017GR-TF, 5017GR-TF-FM209, 5017GR-TF-FM275	Yes	Yes	Yes	Yes
	RSC-R1UG-E16-X9	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF+	118GQ	1027GR-TRF+	Yes	Yes	No	No
	RSC-R1UG-A2E16-X9	1U GPU LHS	Universal Slot (GPU)	2 PCI-E x16	Active	Yes	N/A	118GQ	1027GR-TRF+1027GR-TRFT+	Yes	Yes	Yes	No
	RSC-R1UG-E16B+II	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF+II, X9DRG-HTF+II	N/A	1027GR	Yes	Yes	Yes	Yes
	RSC-R1UG-E16A+II	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF+II, X9DRG-HTF+II	N/A	1027GR	Yes	Yes	Yes	Yes
	RSC-R1UG-E16B	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	No	X8DTG-QF+	118GQ	1026GT-TRF, 1026GT-TRF-FM307, 1026GT-TRF-FM309, 1026GT-TRF-FM375, 1026GT-TSF	Yes	Yes	No	No
	RSC-R1UG-E16	1U GPU LHS	Universal Slot (GPU)	1 PCI-E x16	Passive	No	X8DTG-DF	818G-1400, 818G-1400B, 818G-1K43B, 818G-R1400, 118G-1400B, 118G-1800B, 118G-1K43B	1026GT-TF, 1026GT-TF-FM, 2071026GT-TF-FM, 2756016GT-TF, 6016GT-TF-FM, 2076016GT-TF-FM, 2096016GT-TF-FM275, 1026GT-TF-FM205, 1026GT-TF-FM209, 6016GT-TF-FM205	Yes	Yes	No	No
	RSC-R1UG-E16S	1U GPU LHS	PCI-E x16	1 PCI-E x16	Passive	No	H8DGG-QF	118G-1400B, 118G-1800B, 118G-1K43B	1022GG-TF, 1122GG-TF	Yes	Yes	No	No
	RSC-R1UG-E16A-X9	1U GPU LHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRG-HF	118GQ	1027GR-TQF, 1027GR-TQF-FM409, 1027GR-TQF-FM475, 1027GR-TQF-T, 1027GR-TRF, 1027GR-TRF-FM309, 1027GR-TRF-FM375, 1027GR-TRFT, 1027GR-TSF	Yes	Yes	Yes	No
	RSC-R1UG-2E8G	1U GPU LHS	Universal Slot (GPU)	2 PCI-E x8	Passive	No	X8DTG-DF	818G-1400, 818G-1400B, 818G-1K43B, 818G-R1400, 118G-1400B, 118G-1800B, 118G-1K43B	1026GT-TF-FM107, 1026GT-TF-FM109, 6016GT-TF-FM107, 6016GT-TF-FM109, 6016GT-TF-FM175, 1026GT-TF-FM105, 1026GT-TF-FM175	No	Yes	No	No
	RSC-R1UG-E16A	1U GPU LHS	PCI-E x16	2 PCI-E x16	Passive	No	X8DTG-QF+	118GQ	1026GT-TRF, 1026GT-TRF-FM307, 1026GT-TRF-FM309, 1026GT-TRF-FM375, 1026GT-TSF	Yes	Yes	No	No
	RSC-R1UG-2E8G-UP	1U GPU LHS	Universal Slot (GPU)	2 PCI-E x8	Passive	Yes	X9SRG-F	118GQ	1017GR-TF-FM109, 1017GR-TF-FM175, 5017GR-TF-FM109, 5017GR-TF-FM175	No	Yes	Yes	Yes

1U GPU/Xeon Phi™ (Right Hand Side)

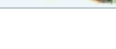
Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Out- put Type	Design Type	X9 Sup- port	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Sup- port	Gen3 Sup- port	Auto Dete- ction
	RSC-R1UG-E16R-UP	1U GPU RHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9SRG-F	118G-1400B118G-1800B118G-1K43B	1017GR-TF, 1017GR-TF-FM109, 1017GR-TF-FM175, 1017GR-TF-FM209, 1017GR-TF-FM275, 5017GR-TF, 5017GR-TF-FM109, 5017GR-TF-FM209, 5017GR-TF-FM275	No	Yes	Yes	Yes
	RSC-R1UG-UR	1U GPU RHS	PCI-E x8	1 PCI-E x8	Passive	Yes	X8DTG-DF, X8DTG-QF, X9SRG-F	818G-1400B18G-1400B818G-1K43B818G-R1400118G-1400B118G-1800B118G-1K43B	N/A	No	Yes	Yes	Yes
	RSC-R1UG-E16R+II	1U GPU RHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF+II, X9DRG-HTF+II	SC118GH	1027GR	Yes	Yes	Yes	Yes
	RSC-R1UG-E16AR+II	1U GPU RHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF+II, X9DRG-HTF+II	SC118GH	1027GR-TR2 1027GR-TR2+	Yes	Yes	Yes	Yes
	RSC-R1UG-UR-X9	1U GPU RHS	PCI-E x16	1 UIO	Passive	Yes	X8DTG-QF+, X9DRG-HF	118G-1400B, 118G-1800B, 118G-1K43B	N/A	No	Yes	No	No
	RSC-R1UG-E16AR-X9	1U GPU RHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRG-HF, X8DTG-QF+	118G-1400B, 118G-1800B, 118G-1K43B	1026GT-TRF, 1026GT-TRF-FM307, 1026GT-TRF-FM309, 1026GT-TRF-FM375, 1027GR-TQF, 1027GR-TQF-FM409, 1027GR-TQF-FM475, 1027GR-TQFT, 1027GR-TRF, 1027GR-TRF+, 1027GR-TRF-FM309, 1027GR-TRF-FM375, 1027GR-TRFT, 1027GR-TRFT+, 1027GR-TSF, 1026GT-TSF	Yes	Yes	Yes	No
	RSC-R1UG-2E8GR-UP	1U GPU RHS	Universal Slot (GPU)	2 PCI-E x8	Passive	Yes	X9SRG-F	118G-1400B, 118G-1800B, 118G-1K43B	N/A	No	Yes	Yes	Yes
	RSC-R1UG-E16R-X9	1U GPU RHS	Universal Slot (GPU)	1 PCI-E x16	Passive	Yes	X9DRG-HF, X8DTG-QF+	118G-1400B, 118G-1800B, 118G-1K43B	1026GT-TRF, 1026GT-TRF-FM307, 1026GT-TRF-FM309, 1026GT-TRF-FM375, 1027GR-TQF, 1027GR-TQF-FM409, 1027GR-TQF-FM475, 1027GR-TQFT, 1027GR-TRF, 1027GR-TRF+, 1027GR-TRF-FM309, 1027GR-TRF-FM375, 1027GR-TRFT, 1027GR-TRFT+, 1027GR-TSF, 1026GT-TSF	Yes	Yes	Yes	No
	RSC-MLP-E8R	1U MLP RHS	PCI-E x8	1 PCI-E x8	Passive	Yes	X9SCE, X9SCE-F	SC 939H-R1K63B	AOM-CGP-I2M, AOM-CIBF-M1M, AOM-CTG-I1SM	No	Yes	Yes	No

1U Standard (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Sup- port	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Sup- port	Gen3 Sup- port	Auto Dete- ction
	RSC-R1U-33	1U Standard LHS	PCI-32 (33 MHz)	1 PCI	Passive	Yes	X9SBAA-F, X9SBAA	504-203B	5017A-EF	No	No	No	No
	CSE-RR1U-ER	1U Standard LHS	Universal PCI (SXB-E) Slot	1 PCI-E x8	Passive	No	X7DBX-8, X7DBP-8, X6DHP-TG/8G/8G2/3G2, H8DSP-I, H8DSP-S/4, H8SSP-R/1, PDSMP-8/8,	N/A	1010P-8(B), 1010P-8R(B), 1010P-T(B), 1010P-TR(B), 1020P-8(B), 1020P-8R(B), 1020P-T(B), 1020P-TR(B), 5015P-8(B), 5015P-8R(B), 5015P-T(B), 5015P-TR(B), 6014P-32(B), 6014P-32R(B), 6014P-82(B), 6014P-82R(B), 6014P-8(B), 6014P-8R(B), 6014P-T(B), 6014P-TR(B), 6015P-8(B), 6015P-8R(B), 6015P-T(B), 6015P-TR(B), 6015X-3V/B, 6015X-8V/B, 6015X-TV/B	No	No	No	N/A

Riser Cards

1U Standard (Left Hand Side)

	CSE-RR1U-ELi	1U Standard LHS	Universal PCI (SXB-E) Slot	1 PCI-E x8	Passive	No	X7SBI, PDSMI, PDSMI+	SC811F, 512F, 513F	5015B-MF(B), 5015B-MRB, 5015B-MT, 5015B-T	No	No	No	N/A
	CSE-RR1U-EL	1U Standard LHS	Universal PCI (SXB-E) Slot	1 PCI-E x8	Passive	No	H8DMR-82, H8DMR-12, X7DBX-1, X7DBX-3, X7DBX-8, X7DVL-1, X7DBR SERIES	SC811, 812, 813, 814, 815	1010P-8(B), 1010P-8R(B), 1010P-T(B), 1010P-TR(B), 1020P-8(B), 1020P-8R(B), 1020P-T(B), 1020P-TR, 1020P-TR(B), 1021M-82V/B, 1021M-T2B, 1021M-T2RB, 1021M-T2RV/B, 1021M-T2V, 6014P-32, 6014P-32(B), 6014P-32R(B), 6014P-8, 6014P-82, 6014P-82(B), 6014P-8B, 6014P-T(B), 6015B-3B, 6015B-3RV/B, 6015B-3V, 6015B-8+V/B, 6015B-8V/B, 6015B-T+V/B, 6015B-TV/B, 6015P-8(B), 6015P-8R(B), 6015P-T(B), 6015P-TR(B), 6015V-M3(B), 6015V-MT(B), 6015X-3V/B, 6015X-8V/B, 6015X-TV/B	No	No	No	N/A
	CSE-RR1U-ELP	1U Standard LHS	Universal PCI Slot	1 PCI-E x8	Passive	No	X7DBR-series, X6DHR-3G2/ X8G2-T/G-2G/4G, X6DAR-8G, H8DCR-3/i, H8DMR-82/i2	SC812, 813, 815	1021M-82V/B, 1021M-T2RV/B, 1021M-T2V/B, 6015B-3RV/B, 6015B-3V/B, 6015B-8V/B, 6015B-TV/B	No	No	No	N/A
	CSE-RR1U-X	1U Standard LHS	PCI-X (133/100/66/33 MHz)	1 PCI-X	Passive	No	X7DVL-E, X6DVA-4G, X6DLP-4G2/EG2, X6DHR-8G, PSSCT, PDSMI-LN4(+), X7SBI-LN4, PDSMP-I/8	SC811, SC812, SC813, SC814, SC815, SC113	1010S-MR(B), 1010S-T(B), 1011S-MR2(B), 1020A-8(B), 1020A-T(B), 1020C-3(B), 1020P-8(B), 1020P-8R(B), 1020P-T(B), 1020P-TR, 1020P-TR(B), 1020S-8(B), 1020S-4, 1021M-82V/B, 1021M-T2B, 1021M-T2RV/B, 1021M-T2V, 5013C-M, 5013C-MR(B), 5013C-MB, 5013C-MT(B), 5014C-MF(B), 5014C-MR(B), 5014C-MMRD(B), 5014C-MT(B), 5014C-T(B), 5014CM-8(B), SVS-5015P-8(B), 5015P-8R(B), 5015P-T(B), 5015P-TR, 5015P-TR(B), 6014L-M, 6014L-M4(B), 6014L-MB, 6014L-T, 6014L-T(B), 6014P-32(B), 6014P-32R, 6014P-32R(B), 6014P-8, 6014P-82(B), 6014P-8B, 6014P-T(B), 6014V-M4(B), 6014V-T2(B), 6015B-3B, 6015B-3RV/B, 6015B-3V, 6015B-8+V/B, 6015B-8V/B, 6015B-T+V/B, 6015B-TV/B, 6015P-8(B), 6015P-8R(B), 6015P-T(B), 6015P-TR(B), 6015V-M3(B), 6015V-MR(B), 6015V-MRLP(B), 6015V-MT(B), 6015V-T(B), 6015V-TLP(B), 6015X-3V/B, 6015X-8V/B, 6015X-TV/B, 6113L-8(B), 6113L-I(B)	No	No	No	N/A
	CSE-RR1U-Xi	1U Standard LHS	Universal PCI (SXB-E) Slot	1 PCI-X	Passive	No	PDSMI, PDSMI+, X7SBI	SC811F, 512F, 513F	5015B-MF(B), 5015B-MRB, 5015B-MT, 5015B-T, 5015M-MF+(B), 5015M-MF(B), 5015M-MR-(B), 5015M-MR(B), 5015M-MT+(B), 5015M-MT(B), 5015M-T+(B), 5015M-T(B)	No	No	No	N/A
	CSE-RR32-1U	1U Standard LHS	PCI-32 5V Slot	1 PCI-X	Passive	No	PDSBM-LN2, PDSBM LN2+, PDSML-LN1/LN2+, PDSML-E+, X7SLM-L	SC813, SC512, SC812, SC811, SC113	5017A-EP	No	No	No	N/A
	RSC-R1U-AX	1U Standard LHS	PCI-E x16	1 PCI-X	Active	No	X8STE/X8STI/X8ST3 SERIES	SC512, SC811TQ, SC813MTQ, SC113	N/A	No	No	No	N/A
	RSC-R1U-UL	1U Standard LHS	PCI-E x8	1 UIO	Passive	No	X7SBL-LN1/2, PDSBM-LN1/2+, PDSML-LN1/LN2/LN2+-E+, X7SLA-H, X8SL-E/6-series, X8S16-F, X7SLM-L, X8STI-E/3-series, X7SPE-series***, X9SRD-F, X9SCA(F), X8SLA(F), X9SCD-F, X9SRL(F), X9SRE-series, X9SR1-series, X9SRII-series, X9SC1-series, X8DIT+, X7DWN+, H8QG-series, N/A, X9SPV-M4	SC815, SC813, SC113	N/A	No	Yes, depending on slots	No	N/A
	RSC-RR1U-32L	1U Standard LHS	PCI-32 (33 MHz)	1 PCI	Passive	No		8111-260, 8111-260B, 8111-280, 8111-280B, 8111-300, 8111-300B, 8111-520, 8111-520B8111-350, 8111-350B, 512-200B, 512-203B, 512-260B, 512C-260B, 512E-260, 512E-260, 512F-350B, 512F-410, 512F-441B, 512F-441B, 513F-260, 513F-350B, 513L-260, 513L-410, 813MFT-300CB, 813MFTQ-441CB, 813MFTQ-520CB, 813MFTQ-R400CB, 813MT-300CB, 813MT-410CB, 813MTQ-280CB	N/A	No	No	No	N/A
	RSC-RR1U-EHT	1U Standard LHS	PCI-E x8 + HT connector	1 PCI-E x8	Passive	No		818S+-1000B818TQ+-1000B818TQ+-1000LPB	N/A	No	No	No	No
	RSC-RR1UE-AXL	1U Standard LHS	PCI-E x8	1 PCI-X	Active	No	N/A	818A-1400LPB, 818A-1K43LPB, 818G-1400, 818G-1400B, 818G-1K43B, 818G-E1400, 818S+-1000B, 818TQ+-1000, 818TQ+-1000B, 818TQ+-1000LPB	N/A	No	No	No	No
	RSC-RR1U-HT	1U Standard LHS	PCI-E x8 + HT connector	1 PCI-E x8	Passive	No	H8QGL-I-F+, H8QGL-6F+	818A-1400, PB818A-1K43LPB, B818G-1400B818G-1400B818G-1K43B818G-E1400B818S+-1000B818TQ+-1000B818TQ+-1000B818TQ+-1000LPB	N/A	No	No	No	No
	RSC-R1UEP-2E8	1U Standard LHS	SPEC-E12 Slot	2 PCI-E x8	Passive	No	X7DBX-1, X7DBX-8	819TQ-R700UB819TQ-R700WB	6015X-8V, 6015X-8B, 6015X-TV, 6015X-TB	No	No	No	No
	RSC-R1UEP-A2X	1U Standard LHS	SPEC-E12 Slot	2 PCI-X	Active	No	X7DBX-1, X7DBX-8	819TQ-R700UB819TQ-R700WB	N/A	No	No	No	No

1U Standard (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Out Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-RIUEP-UE	1U Standard LHS	SPEC-E12 Slot	1 UIO; 1 PCI-E x4	Passive	No	X7DBX-1, X7DBX-8	819TQ-R700UB819TQ-R700WB	6015X-3V, 6015X-3B	No	No	No	No
	RSC-RR1U-E8	1U Standard LHS	PCI-E x8	1 PCI-E x8	Passive	Yes	H8DM8-2, H8DME-2, H8SCM-F, H8SML-4, X8DT1, X8DT3, X8DT1-F, X8DT3-F, X8DT1-LN4F, X8DT3-LN4F, X9DRD-B, X9DRD-LN4F, X9DRD-LN4F-IBOD, X9DRD-EF, X8SIL, X8SIL-F, X8SIL-V, X8SIE, X8SIE-F, X8SIE-LN4, X8SIE-LN4F, X8SIE-F, X8STE, X8ST1, X8ST1-F, X8ST3-F, X8ST3-F, X8ST1-LN4, X7SPF-H, X7SPF-HF, X7SPA-H-D525, X7SPA-L, X7SPA-H, X7SPA-HF, X9SCM, X9SCM-F, X9SCM-HIF, X9SCL, X9SCL-F, X9SCL-L, X9SCA, X9SCA-F, X9SCL-LN4, X9SCL-LN4F, X9SCD-F, X9SRE-F, X9SRE-F, X9SR-F, X9SR-F, X9SR-L, X9SR-LF, X9SRH-T, X9SRH-TF, H8SML-1F, H8SML-7F, H8SML-F, X9SPV-M4, X9SPV-F, X9SPV-F-321TUE, X9SPV-F-3610ME, X9SPV-LN4F, X9SPV-LN4F-3LE, X9SPV-LN4F-3QE, X9SPV-M4, X9SPV-M4-3QE, X9SPV-M4-3UE, X7DCL-1, X7DCL-3, X7DWE, X9DRD-3F, X7SLM, X7SLM-F, X7SLM-L, PDSBM-LN1, PDSBM-LN2, PDSBM-LN2+, X7SBL-LN1, X7SBL-LN2, X7SB3, X7SB3-F, X7SLA-H, X7SLA-L, X7SPE-HF-D525, X7SBL-1, X7SBL-2, X7SBL-3, X7SBL-4, X7SBL-5, X7SBL-6, X7SBL-7, X7SBL-8, X7SBL-9, X7SBL-10, X7SBL-11, X7SBL-12, 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X7SBL-1102, X7SBL-1103, X7SBL-1104, X7SBL-1105, X7SBL-1106, X7SBL-1107, X7SBL-1108, X7SBL-1109, X7SBL-1110, X7SBL-1111, X7SBL-1112, X7SBL-1113, X7SBL-1114, X7SBL-1115, X7SBL-1116, X7SBL-1117, X7SBL-1118, X7SBL-1119, X7SBL-1120, X7SBL-1121, X7SBL-1122, X7SBL-1123, X7SBL-1124, X7SBL-1125, X7SBL-1126, X7SBL-1127, X7SBL-1128, X7SBL-1129, X7SBL-1130, X7SBL-1131, X7SBL-1132, X7SBL-1133, X7SBL-1134, X7SBL-1135, X7SBL-1136, X7SBL-1137, X7SBL-1138, X7SBL-1139, X7SBL-1140, X7SBL-1141, X7SBL-1142, X7SBL-1143, X7SBL-1144, X7SBL-1145, X7SBL-1146, X7SBL-1147, X7SBL-1148, X7SBL-1149, X7SBL-1150, X7SBL-1151, X7SBL-1152, X7SBL-1153, X7SBL-1154, X7SBL-1155, X7SBL-1156, X7SBL-1157, X7SBL-1158, X7SBL-1159, X7SBL-1160, X7SBL-1161, X7SBL-1162, X7SBL-1163, X7SBL-1164, X7SBL-1165, X7SBL-1166, X7SBL-1167, X7SBL-1168, X7SBL-1169, X7SBL-1170, X7SBL-1171, X7SBL-1172, X7SBL-1173, X7SBL-1174, X7SBL-1175, X7SBL-1176, X7SBL-1177, X7SBL-1178, X7SBL-1179, X7SBL-1180, X7SBL-1181, X7SBL-1182, X7SBL-1183, X7SBL-1184, X7SBL-1185, X7SBL-1186, X7SBL-1187, X7SBL-1188, X7SBL-1189, X7SBL-1190, X7SBL-1191, X7SBL-1192, X7SBL-1193, X7SBL-1194, X7SBL-1195, X7SBL-1196, X7SBL-1197, X7SBL-1198, X7SBL-1199, X7SBL-1200, X7SBL-1201, X7SBL-1202, X7SBL-1203, X7SBL-1204, X7SBL-1205, X7SBL-1206, X7SBL-1207, X7SBL-1208, X7SBL-1209, X7SBL-1210, X7SBL-1211, X7SBL-1212, X7SBL-1213, X7SBL-1214, X7SBL-1215, X7SBL-1216, X7SBL-1217, X7SBL-1218, X7SBL-1219, X7SBL-1220, X7SBL-1221, X7SBL-1222, X7SBL-1223, X7SBL-1224, X7SBL-1225, X7SBL-1226, X7SBL-1227, X7SBL-1228, X7SBL-1229, X7SBL-1230, X7SBL-1231, X7SBL-1232, X7SBL-1233, X7SBL-1234, X7SBL-1235, X7SBL-1236, X7SBL-1237, X7SBL-1238, X7SBL-1239, X7SBL-1240, X7SBL-1241, X7SBL-1242, X7SBL-1243, X7SBL-1244, X7SBL-1245, X7SBL-1246, X7SBL-1247, X7SBL-1248, X7SBL-1249, X7SBL-1250, X7SBL						

Riser Cards

1U Standard (Left Hand Side)

[illegible]

1U Standard (Right Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Out-put Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	CSE-RR1U-XLP	1U Standard RHS	PCI-X (133/100/ 66/33 MHz)	1 PCI-X	Passive	No	X7DBR-E/8/3, X6DRB-X/G/ X8G/TG/g02	812, 813, 815	1020A-T(B), 1020C-3(B), 1020S-8(B), 1021M-42V/B, 1021M-T2B/R, 1021M-T2V/B, 6015B-3RV/B, 6015B- 3V/B, 6015B-8V/B, 6015B-TV/B	No	No	No	N/A
	CSE-RR1U-XR	1U Standard RHS	PCI-X (133/100/ 66/33 MHz)	1 PCI-X	Passive	No	X7DBX-X/8/3, X7DBP-X/8, X6DBP-T/G/G/8/G2, PDSPM-X/8, H8DSP-X/8	814, 816, 819	1010P-S(B), 1010P-SR(B), 1010P-T(B), 1010P-TR(B), 1020P-S(B), 1020P-SR(B), 1020P-T(B), 1020P-TR(B), 5015P-S(B), 5015P-SR(B), 5015P-T(B), 5015P-TR(B), 6014P-S2(B), 6014P-S2R(B), 6014P-S2(B), SYS, 6014P-S2R(B), 6014P-X/8, 6014P-SR(B), 6014P-T(B), 6014P-TR(B), 6015P-S(B), 6015P-SR(B), 6015P-T(B), 6015P-TR(B), 6015X-S/8, 6015X-SR/8, 6015P-T(B)	No	No	No	N/A

1U Twin (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-1R1UT-E16	1U Twin LHS	PCI-E x16	1 PCI-E x16	Passive	No	X8DTT-X8DTT-F, X8DTT-HBX, X8DTT-HBXF, X8DTT-HBQ, X8DTT-HBQF, X8DTT-H, X8DTT-H4+, X8DTT-HF, X8DTT-HF+, X8DTT-HIB, XFX8DTT-HIBX+, X8DTT-HBQF, X8DTT-HBQF+, X8DTT-INF, X8DTT-INF+, X8DTT-HIBX, X8DTT-HIBX+, X8DTT-HBQ, X8DTT-HBQ+	808T-1K28B808T-1200B808T-780B808T-980B809T-1200B809T-780B809T-980B	6016T-GTF6016T-GHBXF	Yes	Yes	No	N/A
	RSC-1R1UFF-E8	1U Twin LHS	PCI-E x8	1 PCI-E x8	Passive	Yes	X9DRFF-7G+, X9DRFF-7TG+	F414IS	F617H6-FTL+, F617H6-FTPTL+	No	Yes	Yes	Yes
	RSC-1R1UFF-E16	1U Twin LHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRFF	SCF418BC-R1K62BP	F617H6-FT+, F617H6-FTPT+, F617R2-F73, F617R2-FT, F617R2-FT+, F617R3-FT, F617R3-FT+, F627R2-F73	Yes	Yes	Yes	Yes

1U Twin (Right Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Out- put Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R1U-UT	1U Twin RHS	PCI-E x8/Universal PCI Slot	1 UIO	Passive	Yes	X7DWT-series, X7DCT, X7DBT, H8MT1+, H8DMT, X7SBT, X8S1T	SC808T, SC809T/TQ	N/A	No	No	No	N/A
	RSC-R1U-E16R	1U Twin RHS	PCI-E x16	1 PCI-E x16	Passive	No	H8DGG-QF, H8DCT-IBQF, H8DCT-LF, H8DCT-HLN4E, H8DGT-HLHBF, H8DGT-HLHF, H8DGT-HIBQF, H8DGT- HLIBQF, H8DGT-HF, X7SBT, X8S1T, X9SRG-F		1022GG-TF, 1122GG-TF, 2022TC-HTRF4, 2022TG- H6IBQRF, 2022TG-H6RF, 2022TG-HIBQRF, 2022TG-HLH6QRF, 2022TG-HLTRF, 2022TG-HITRF, 2122TC-H6RF4, 2122TG-H6IBQRF, 2122TC-H6RF, 2122TG-HIBQRF, 2122TC-HITRF, 2022TC-HIBQRF, 2022TC-BTRF, 1021TM-INF-B, 1021TM-T-B, 2021TM-HIBXRF, 2021TM-BTRF, 1017GR-TF, 1017GR-TF-FM109, 1017GR-TF-FM175, 1017GR-TF- FM209, 1017GR-TF-FM275, 1025TC-10GB, 1025TC- 3FB, 1025TC-TB, 1026GT-TF, 1026GT-TF-FM105, 1026GT-TF-FM107, 1026GT-TF-FM109, 1026GT- TF-FM175, 1026GT-TF-FM205, 1026GT-TF-FM207, 1026GT-TF-FM209, 1026GT-TF-FM275, 1026TT-HBQF, 1026TT-HBXF, 1026TT-INFF, 1026TT-TF, 1027TR- TF, 1027TR-TFF, 1027TR-TQF, 20161T-HTRF, 2026TT-H6IBQRF, 2026TT-H6IBXRF, 2026TT-H6RF, 2026TT-HIBQRF, 2026TT-HIBXRF, 2026TT-HITRF, 2027TR-H70RF, 2027TR-H70QRF, 2027TR-H70RF, 2027TR-H71RF, 2027TR-H71QRF, 2027TR-H71RF, 2027TR-H72RF, 2027TR-H72QRF, 2027TR-H72RF, 2027TR-H73RF, 2027TR-H73QRF, 2027TR-H73RF, 5015TB-10GB, 5015TB-TB, 50161T-TF, 5017GR-TF, 5017GR-TF-FM109, 5017GR-TF-FM175, 5017GR- TF-FM209, 5017GR-TF-FM275, 50261T-BTRF, 5026TT-HTRF, 6015TC-10GB, 6015TC-CLTR, 6015TC- TB, 6015TW-INFV-B, 6015TW-TV-B, 6016GT-TF, 6016GT-TF-FM107, 6016GT-TF-FM109, 6016GT- TF-FM175, 6016GT-TF-FM205, 6016GT-TF-FM207, 6016GT-TF-FM209, 6016GT-TF-FM275, 6016TT-HBQF, 6016TT-HBXF, 6016TT-INFF, 6016TT-TF, 6017TR-TF, 6017TR-TFF, 6017TR-TQF, 6026TT-HIBQF, 6026TT- HIBQRF, 6026TT-HIBXF, 6026TT-HIBXRF, 6026TT- BINFF, 6026TT-BINRF, 6026TT-BITF, 6026TT-BTRF, 6026TT-H6IBQRF, 6026TT-H6IBXRF, 6026TT-H6RF, 6026TT-HIBQF, 6026TT-HIBQRF, 6026TT-HIBXF, 6026TT-HIBXRF, 6026TT-HITF, 6026TT-HITRF, 6026TT-HBQF, 6026TT-HBXF, 6026TT-TF, 6027TR- H70RF, 6027TR-H70QRF, 6027TR-H70RF, 6027TR-H71RF, 6027TR-H71QRF, 6027TR-H71RF, 6027TR-H72RF, 6027TR-H72QRF, 6027TR-H72RF, 1022TC-HBQF, 1022TC-TF	No	Yes, depending on slots	No	N/A
	RSC-R1U-E8R	1U Twin RHS	PCI-E x8	1 PCI-E x8	Passive	No	X7DBT-series, X7DWT-series, X8D1T-series, X7SBT, X8S1T	SC808, SC809	6015T-TV-B, 6015T-INFV-B	No	Yes, depending on slots	No	N/A

Riser Cards

1U Twin (Right Hand Side)

	RSC-R1UFF-E8R	1U Twin RHS	PCI-E x8	1 PCI-E x8	Passive	Yes	X9SCFF-F, X9DRFF	F418BL-R1K62BP	F627R3-FT, F627R3-F73, F517H6-FT, F617H6-FT+, F617H6-FTL+, F617H6-FTP+, F617H6-FTPTL+, F617R2-FT+, F617R3-FT+, 5017R-HDP, F517H6-FT	No	Yes	Yes	Yes
	RSC-R1UF-E16R	1U Twin RHS	PCI-E x16	1 PCI-E x16	Passive	Yes	N/A	F424AF-R1K28BP	F617R2-R72+, F617R2-RT+	Yes	Yes	Yes	Yes
	RSC-R1UFF-E16R	1U Twin RHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRFR-F	F418BL-R1K62BP	F627R3-FT, F627R3-F73	Yes	Yes	Yes	Yes

1U UIO (Left Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R1UU-E16	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x16	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, H8DMU+, H8SMU, H8DGU, H8DGMU-F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, SC515-280UB	N/A	Yes	Yes, depending on MB	No	No
	RSC-R1UU-2E8	1U UIO LHS	Universal SXB2 Slot (UIO)	2 PCI-E x8	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, H8DMU+, H8SMU, H8DGU, H8DGMU-F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	1022G-NTF, 1026T-6RF+, 1026T-6RFT+, 6016T-6RFT+, 6016T-NTRF, 6016T-NTRF4+, 1011M-Na(B), 1011M-VRV/B, 5015B-NTRB, 5015B-NTRV/B, 5015M-NTRV/B, 5015M-NTRV/B, 5016-NTF, 6015B-Na(B), 6015B-NTRV/B, 6015B-NTRV/B, 6015C-Na(B), 6015C-NTRV/B, 6015C-NTV/B, 6015W-Na(B), 015W-NTRV/B, 6015W-NTV/B, 6016T-6RF+, 6016T-NT	No	Yes, depending on MB	No	No
	RSC-R1UU-2U	1U UIO LHS	Universal SXB2 Slot (UIO)	2 UIO	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, H8DMU+, H8SMU, H8DGU, H8DGMU-F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	N/A	No	Yes, depending on MB	No	No
	RSC-R1UU-UAX	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-X; 1 UIO	Active	Yes	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, X9DBU-3F, X9DBU-4F, X9SPU-F, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	N/A	No	Yes, depending on MB	No	No
	RSC-R1UU-UE8	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x8; 1 UIO	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, H8DMU+, H8SMU, H8DGU, H8DGMU-F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	1022G-NTF, 1026T-6RF+, 1026T-6RFT+, 6016T-6RFT+, 6016T-NTRF, 6016T-NTRF4+, 1011M-Na(B), 1011M-VRV/B, 5015B-NTRB, 5015B-NTRV/B, 5015M-NTRV/B, 5015M-NTRV/B, 5016-NTF, 6015B-Na(B), 6015B-NTRV/B, 6015B-NTRV/B, 6015C-Na(B), 6015C-NTRV/B, 6015C-NTV/B, 6015W-Na(B), 015W-NTRV/B, 6015W-NTV/B, 6016T-6RF+, 6016T-NT	No	Yes, depending on MB	No	No
	RSC-R1UU-AXE8	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-X; 1 PCI-E x8	Active	Yes	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, X9DBU-3F, X9DBU-4F, X9SPU-F, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	N/A	No	Yes, depending on MB	No	No
	RSC-R1UU-E8E16	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x8; PCI-E x16	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, X9DBU-4F, X9DBU-4F, X9DBU-4F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	6017B-NTF	Yes	Yes, depending on MB	Yes, depending on MB	Yes
	RSC-R1UU-UE16	1U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x16; 1 UIO	Passive	Yes	X8DTU, X8DTU-F, X8DTU-LN4+, X8SIU-F, X9DBU-4F, X9DBU-4F, X9DBU-4F, H8DGMU-LN4+, X7DBU, X7DGMU, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF, X7SBU, PDSMU, X8SIU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	1022G-URF, 1026T-UF, 1026T-URF, 1026T-URF4+, 1026T-URF4+-LR, 5017C-URF, 6016T-UF, 6016T-URF, 6016T-URF4+, 6016T-L, 6016T-L, 6017B-URF	Yes	Yes, depending on MB	Yes, depending on MB	Yes

1U UIO (Right Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R1UU-E8R	1U UIO RHS	Universal SXB2 Slot (UIO)	1 PCI-E x8	Passive	No	X7DBU, X7DGMU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, SC515-280UB	6015A-NTV/B	No	No	No	No
	RSC-R1UU-E8PR	1U UIO RHS	PCI-E x8	1 PCI-E x8	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4+, X7DWU, X7DCU, X8DTU-6F, X8DTU-6TF	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-360UB, 119TQ-R700UB, 819TQ-R700UB, SC515-280UB	N/A	No	Yes, depending on slots	No	No

Riser Cards

1U UIO (Right Hand Side)

	RSC-R1UU-E4R	1U UIO RHS	PCI-E x8	1 PCI-E x4	Passive	No	X8SIU-F, X9SPU-F, X7DWU, X7DCU, X7SBU, PDSMU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-560UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	N/A	No	Yes, depending on slots	No	No
	RSC-R1UU-E8R+	1U UIO RHS	PCI-E x8	1 PCI-E x8	Passive	No	X8SIU-F, X9SPU-F, H8SMU, X8DTU-LN4F+, X8DTU-6F+, X8SIU-F	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-560UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB		No	No	No	No
	RSC-R1UU-XR	1U UIO RHS	Universal SXB2 Slot (UIO)	1 PCI-X	Passive	No	X7DBU, X7DGU	113TQ-560UB, 113TQ-563UB, 113TQ-600UB, 113TQ-R500UB, 113TQ-R650UB, 815TQ-560UB, 815TQ-563UB, 815TQ-600UB, 815TQ-710UB, 812L-280U, 812L-280UB, 812L-520U, 812L-600UB, 111T-560UB, 111TQ-563UB, 111TQ-600UB, 111T-330UB, 111T-560UB, 119TQ-R700UB, 819TQ-R700UB, 515-280UB	6015A-NTB, 6015A-NTV/B, 6015B-Ni(B), 6015B-NTRV/B, 6015B-NTV/B, 6015B-URV/B, 6015B-UV/B	No	No	No	No

1U WIO (Left Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R1UW-2E16	1U WIO LHS	WIO Slot	2 PCI-E x16	Passive	Yes	X9SRW-3F, X9SRW-F, X9DRW-4F, X9DRW-3F, X9DRW-3LN4F+, X9DRW-3TF+	WIO Chassis	1027R-72BRFTP, 1027R-72RFTP, 1027R-N3RF, 1027R-WRF, 1027R-WRF4+, 1027R-WRF4+, 5017R-WRF, 6017R-72RFTP, 6017R-N3RF4+, 6017R-N3RFT+, 6017R-NTF, 6017R-WRF	Yes	Yes	Yes	Yes
	RSC-R1UW-2E16	1U WIO LHS	WIO Slot	2 PCI-E x16	Passive	Yes	X9SRW-3F, X9SRW-F, X9DRW-4F, X9DRW-3F, X9DRW-3LN4F+, X9DRW-3TF+	WIO Chassis	5017R-WRF, 1027R-72BRFTP, 1027R-72RFTP, 1027R-N3RF, 1027R-WRF, 1027R-WRF4+, 1027R-WRF4+, 5017R-WRF, 6017R-72RFTP, 6017R-N3RF4+, 6017R-N3RFT+, 6017R-NTF, 6017R-WRF	Yes	Yes	Yes	Yes
	RSC-R1UW-U	1U WIO LHS	WIO Slot	1 UIO	Passive	Yes	X9SRW-3F, X9SRW-F, X9DRW-4F, X9DRW-3F, X9DRW-3LN4F+, X9DRW-3TF+	WIO Chassis	N/A	No	Yes	Yes	No
	RSC-R1UW-E16	1U WIO LHS	WIO Slot	1 UIO	Passive	Yes	X9DRD-CNT+	1U WIO Chassis	N/A	Yes	Yes	Yes	Yes

1U WIO (Right Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R1UW-E8R	1U WIO RHS	WIO Slot	1 PCI-E x8	Passive	Yes	X9SRW-3F, X9SRW-F, X9DRW-4F, X9DRW-3TF+, X9DRW-3LN4F+, X9DRW-7TF+	WIO Chassis	5017R-WRF, 1027R-72BRFTP, 1027R-72RFTP, 1027R-WRF4+, 1027R-WRF4+, 6017R-72RFTP, 6017R-N3RF4+, 6017R-N3RFT+	No	Yes	Yes	No

2U GPU/Xeon Phi™ (Left Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UG-E8G-X9	2U GPU LHS	Universal Slot (GPU)	1 PCI-E x8	Passive	Yes	X9DRG-HF, X9DRG-HTF	N/A	2027GR-TRF, 2027GR-TRF-FM409, 2027GR-TRF-FM475, 2027GR-TRFT, 2027GR-TSF	No	Yes	Yes	Yes
	RSC-R2UG-A2E16-A	2U GPU LHS	Universal Slot (GPU)	2 PCI-E x16	Active	Yes	X9DRG-HF, X9DRG-HTF	218G-R1800B	2027GR-TRFH, 2027GR-TRFHT, 2027GR-TRFH-FM609, 2027GR-TRFH-FM675	Yes	Yes	Yes	Yes
	RSC-R2UG-A2E16-B	2U GPU LHS	Universal Slot (GPU)	2 PCI-E x16	Active	Yes	X9DRG-HF, X9DRG-HTF	218G-R1800B	2027GR-TRFH, 2027GR-TRFHT, 2027GR-TRFH-FM609, 2027GR-TRFH-FM675	Yes	Yes	Yes	Yes
	RSC-R2UG-2E4E8	2U GPU LHS	PCI-E x16	1 PCI-E x8; 2 PCI-E x4	Passive	Yes	X8DTG-QF+	218G-R1800B	2026GT-TF, 2026GT-TRF, 2026GT-TRF-FM407, 2026GT-TRF-FM409	N/A	Yes	No	Yes
	RSC-R2UG-2E16	2U GPU LHS	Universal Slot (GPU)	2 PCI-E x16	Passive	No	X8DTG-QF+	218G-R1800B	2026GT-TF, 2026GT-TRF, 2026GT-TRF-FM407, 2026GT-TRF-FM409	Yes	Yes	No	Yes

2U GPU/Xeon Phi™ (Left Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UG-2E16-X9	2U GPU LHS	Universal Slot (GPU)	2 PCI-E x16	Passive	Yes	X9DRG-HFX9DRG-HTF	N/A	2027GR-TRF, 2027GR-TRF-FM409, 2027GR-TRF-FM475, 2027GR-TRFT, 2027GR-TSF	Yes	Yes	Yes	Yes
	RSC-R2UG-UR-X9	2U GPU RHS	PCI-E x8	1 UIO	Passive	Yes	X8DTG-QF+, X9DRG-QF+	218G-R1800B	N/A	N/A	Yes	Yes	N/A
	RSC-R2UG-E16R-X9	2U GPU RHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X8DTG-QF+	218G-R1800B	2026GT-TF, 2026GT-TRF, 2026GT-TRF-FM407, 2026GT-TRF-FM475, 2027GR-TRFH-FM609, 2027GR-TRFH-FM675, 2027GR-TRFT, 2027GR-TSF	Yes	Yes	Yes	N/A
	RSC-R2UG-2E16R-X9	2U GPU RHS	Universal Slot (GPU)	2 PCI-E x16	Passive	Yes	X8DTG-QF+X9DRG-HFX9DRG-HF+	218G-R1800B	2027GR-TRF, 2027GR-TRF-FM409, 2027GR-TRF-FM475, 2027GR-TRFH, 2027GR-TRFHT, 2026GT-TF, 2026GT-TRF, 2026GT-TRF-FM407, 2026GT-TRF-FM475, 2027GR-TRFH-FM609, 2027GR-TRFH-FM675, 2027GR-TRFT, 2027GR-TSF	Yes	Yes	Yes	Yes

Riser Cards

2U Standard (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UE-E8	2U Standard LHS	PCI-E x8	1 PCI-E x8	Passive	Yes	H8SCM-F, H8SCM, X8SIE, X8SIE-F, X8SIE-LN4, X8SIE-LN4F, X8DT3, X8DT3-F, X8DT3-LN4F, X8DT1, X8DT1-F, X8DT1-LN4F, X8DT1N+, X8DT1N+-F, X8S13-F, X8S1E, X8S1T, X8S1L, X8S1L-F, X8S1E, X8S1E-F, X8S1E-LN4, X8S1E-LN4F, X8S1E-F, X9SC1-LN4, X9SC1-LN4F, X9SCA, X9SCA-F	825MTQ-R700LPB, 825TQ-600LPB, 825TQ-R720LPB, 826A-R1200LPB, 826BA-R1K28LPB, 826BA-R920LPB, 826BE16-R1K28LPB, 826BE16-R920LPB, 216A-R900LPB, 216E16-R1200LPB	N/A	No	No	No	No
	CSE-RR2UE-AX	2U Standard LHS	PCI-E x8 Slot with SEPC	3 PCI-X	Active	No	X8DT3, X8DT3-F, X8DT3-LN4F, X8DT1, X8DT1-F, X8DT1-LN4F, X8DT1N+, X8DT1N+-F, X7DBE, X7DBE+, X7DBD, X7DBD+- X7DB3, X7DB3+, X6DH8-G2, X6DH8-G2+, X7DWN+	825MTQ-R700LPB, 825TQ-600LPB, 825TQ-R720LPB, 826A-R1200LPB, 826BA-R1K28LPB, 826BA-R920LPB, 826BE16-R1K28LPB, 826BE16-R920LPB, 823MTQ-R700LPB, 823TQ-653LPB,	6024H-82R(B), 6024H-82R+(B)	No	No	No	N/A
	RSC-R2UE-A3E8	2U Standard LHS	PCI-E x8 Slot with SEPC	3 PCI-E x8	Active	No	X8DT3, X8DT3-F, X8DT3-LN4F, X8DT1, X8DT1-F, X8DT1-LN4F, X8DT1N+, X8DT1N+-F, H8DM1-2, H8DM1E-2, H8DM1E-2, H8DM1E-2, X7DBE, X7DBE+, X7DBD, X7DBD+, X7DB3, X7DB3+, X6DH8-G2, X6DH8-G2+, X7DWN+	825MTQ-R700LPB, 825TQ-600LPB, 825TQ-R720LPB, 826A-R1200LPB, 826BA-R1K28LPB, 826BA-R920LPB, 826BE16-R1K28LPB, 826BE16-R920LPB, 216A-R900LPB, 216E16-R1200LPB	N/A	No	No	No	No

2U Standard (Left Hand Side)

	RSC-R2UXE-X2E8	2U Standard LHS	SXB-E Universal Slot (UIO)	2 PCI-E x8; 1 PCI-X	Passive	No	X7DBR-4, X7DBR-3, X7DBR-8, X7DBR-E	825MTQ-R700LPB, 825MTQ-R700UB, 825TQ-600LPB, 825TQ- R500WB, 825TQ-R720LPB, 825TQ-R720UB, 825TQ- R740LPB, 825TQ-R740UB, 825TQ-R740WB, 826A- R1200LPB, 826A-R1200U, 826BA-R1K28LPB, 826BA-R1K28WB, 826BA-R920LPB, 826BA- R920UB, 826BA-R920WB, 826BE16-R1K28LPB, 826BE16-R1K28WB, 826BE16-R920LPB	N/A	No	No	No	No
	RSC-R2U-2E8	2U Standard LHS	PCI-E x16	2 PCI-E x8	Passive	No	X8SIE, X8SIE-F, X8SIE- LN4, X8SIE-LN4F, X8DITL- 1, X8DITL-4F, X8DITL-3, X8DITL-3F, X8DITL-6, X8DITL-6F, X8DITL-6L, X8DITL-L,	825MTQ-R700LPB, 825MTQ-R700UB, 825TQ-600LPB, 825TQ- R500WB, 825TQ-R720LPB, 825TQ-R720UB, 825TQ- R740LPB, 825TQ-R740UB, 825TQ-R740WB, 826A- R1200LPB, 826A-R1200U, 826BA-R1K28LPB, 826BA-R1K28WB, 826BA-R920LPB, 826BA- R920UB, 826BA-R920WB, 826BE16-R1K28LPB, 826BE16-R1K28WB, 826BE16-R920LPB, 823I- 550LPB, 823I-R500RCB, 823MTQ-R700LPB, 823MTQ- R700UB, 823S- R500LPB, 823I-R500LPB, 823I-R500RCB, 823TQ- 650LPB, 823TQ-653LPB, 823TQ-R500LPB,	N/A	No	No	No	No
	RSC-R2U-A3E8+	2U Standard LHS	PCI-E x8 Slot with SEPC	3 PCI-E x8	Active	No	X8DITN+, X8DITN+F, X8DITN+F-LR, X8DITN+- LR, X8DIT1, X8DIT1-F, X8DIT1-LN4F, X8DIT3, X8DIT3-F, X8DIT3-LN4F, X7DWN	825MTQ-R700LPB, 825MTQ-R700UB, 825TQ- 600LPB, 825TQ-R500WB, 825TQ-R720LPB, 825TQ- R720UB, 825TQ-R740LPB, 825TQ-R740UB, 825TQ- R740WB	N/A	No	Yes	Yes	Yes

2U Twin (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UFF-E16A	2U Twin LHS	PCI-E x16	1 PCI-E x16	Passive	Yes	X9DRFF-iG+	SCF424AG, SCF424BG	F627G2-F73+, F627G2-F73PT+, F627G2-FT+, F627G2-FITP+, F627G3-F73+, F627G3-F73PT+, F627G3-FT+, F627G3-FITP+	Yes	Yes	Yes	Yes
	RSC-R2UFF-2E16B	2U Twin LHS	PCI-E x16	2 PCI-E x16	Passive	Yes	X9DRFF-iG+	SCF424AG, SCF424BG	F627G2-F73+, F627G2-F73PT+, F627G2-FT+, F627G2-FITP+, F627G3-F73+, F627G3-F73PT+, F627G3-FT+, F627G3-FITP+	Yes	Yes	Yes	Yes

2U Twin (Right Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UT-3E8R	2U Twin RHS	PCI-E x8PCI-E x16	3 PCI-E x8	Passive	Yes	X9DRF-E, X9DRF-HF, X9DR1-HIBFF, X9DR1- HIBQF, X9DR1-IBFF, X9DR1-IBQF	SC827T-R1400B, SC827T- R1200	2027TR-D70RF, 2027TR-D70QR, 2027TR- D70RE, 6027TR-D70RF, 6027TR-D70QR, 6027TR-D70RE, 6027TR-D71RF, 6027TR- D71QR, 6027TR-D71RE, 6027TR-D7TRF, 6027TR-D7QRF, 6027TR-D7RF	No	Yes	Yes	Yes

Riser Cards

2U Twin (Right Hand Side)

	RSC-R2UT-E8E16R	2U Twin RHS	PCI-E x8PCI-E x16	1 PCI-E x8; 1 PCI-E x16	Passive	Yes	X9DRF-F, X9DRF-HF, X9DR1-HIBFF, X9DR1- HIBQF, X9DR1-IBFF, X9DR1-IBQF	SC827T-R1400B, SC827T- R1200	6027TR-GTRF	Yes	Yes	Yes	Yes
	RSC-R2UT-2E8R	2U Twin RHS	PCI-E x16	2 PCI-E x8	Passive	No	X8D1T, X8D1T-F, X8D1T-IBX, X8D1T-IBXF, X8D1T-IBQ, X8D1T-IBQF, X8D1T-HX8D1T-HF, X8D1T-H+, X8D1T-HF+, X8D1T-HIBXF, X8D1T- HIBXF+, X8D1T-HIBQF, X8D1T-HIBQF+, H8DCT- HLN4F	827H-R1400B, 827T-R1200	2026TT-DL1BQRF, 2026TT-DL1BXRf, 2026TT- DLRf, 6026TT-D61BQRF, 6026TT-D61BXRf, 026TT- HD1BQRF, 6026TT-HD1BXRf, 6026TT-HD1TRf, 2122TC-DL6RF4	No	Yes	No	Yes
	RSC-R2UF-2E8GR	2U Twin RHS	PCI-E x16	2 PCI-E x8	Passive	Yes	X9DRFR-F	SCF424AS-R1K28BP	N/A	No	Yes	Yes	Yes
	RSC-R2UT-E16R	2U Twin RHS	PCI-E x16	1 PCI-E x16	Passive	No	X8D1T, X8D1T-F, X8D1T-IBX, X8D1T-IBXF, X8D1T-IBQ, X8D1T-IBQF, X8D1T-H, X8D1T-HF, X8D1T-H+, X8D1T-HF+, X8D1T-HIB, XfX8D1T- HIB, Xf+X8D1T-HIBQF, X8D1T-HIBQF+, H8DGT-Hf, H8DGT- HIBQF, H8DGT-HfE, H8DGT-HL1BQF, X7DWT, X7DWT-INF, X7DWT- INF+, X8D1T-INF, X8D1T- INFf, X8D1T-HIBX, X8D1T-HIBX+	827H-R1400B, 827T-R1200	6026TT-G1BQRF, 6026TT-G1BXRf, 6026TT-GTRF	Yes	Yes	No	No
	RSC-R2UT-2E4E8R-S5026	2U Twin RHS	PCI-E x16	2 PCI- Ex4; 1 PCI-E x8	Passive	No	X8D1S-F	SC937ETS	2026T-DE2R24L, 6036ST-6HR, 6036ST-6LR	No	Yes	No	Yes

2U UIO (Left Hand Side)

Product Image	Model Name	Category/ Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/ Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UU-E8E16	2U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x8; 1 PCI-E x16	Passive	Yes	X8DTUX8DTU-F, X8DTU-LN4F+, H8DGU, H8DGU-F, H8DGU-LN4F+, X9DBU-3F, X9DBU-4F	UIO Chassis	N/A	No	Yes	Yes	Yes
	RSC-R2UU-U2E4E8G	2U UIO LHS	Universal SXB2 Slot (UIO)	1 PCI-E x8; 2 PCI-E x4; 1 UIO	Passive	Yes	X8DTU, X8DTU-F, X8DTU-LN4F+, X9DBU-3F, X9DBU-4F, X9SPU-4F	UIO Chassis	2026T-URF4+, 6026T-URF4+, 6027B-URF	No	Yes	Yes	Yes
	RSC-R2UU-A4E8+	2U UIO LHS	SXB-E Universal Slot (UIO)	4 PCI-E x8	Active	No	X8DTU, X8DTU-F, X8DTU-LN4F+, H8DGU, H8DGU-F, H8DGU-LN4F+	UIO Chassis	N/A	No	Yes	No	No
	RSC-R2UU-2U	2U UIO LHS	SXB-E Universal Slot (UIO)	2 UIO	Passive	No	H8DMU+, H8SMU, H8DGU, H8DGU-F, H8DGU-LN4F+, X8DTU, X8DTU-F, X8SIU-F, X7DCU, X7DBU, X7DWU, X7DGU, X8DTU-6F, X8DTU-6TF, X8SIU, X7SBU, PDSMU	UIO Chassis	N/A	No	Yes, depending on slots	No	No
	RSC-R2UU-A2XE8	2U UIO LHS	SXB-E Universal Slot (UIO)	2 PCI-X; 1 PCI-E x8	Active	No	X7DCU, X7DBU, X7DWU, X7DGU, X7SBU, PDSMU	UIO Chassis	N/A	No	Yes, depending on slots	No	No
	RSC-R2UU-UAX	2U UIO LHS	SXB-E Universal Slot (UIO)	3 PCI-X; 1 UIO	Active	No	X7DCU, X7DBU, X7DWU, X7DGU, X8DTU-6F, X8DTU-6TF, X8SIU, X7SBU, PDSMU	UIO Chassis	N/A	No	No	No	No
	RSC-R2UU-A3XE8	2U UIO LHS	SXB-E Universal Slot (UIO)	3 PCI-X; 1 PCI-E x8	Active	No	X7DCU, X7DBU, X7DWU, X7DGU, X8DTU-6F, X8DTU-6TF, X8SIU, X7SBU, PDSMU	UIO Chassis	N/A	No	Yes, depending on slots	No	No
	RSC-R2UU-A4E8	2U UIO LHS	SXB-E Universal Slot (UIO)	4 PCI-E x8	Active	No	H8DMU+, H8SMU, X8DTU, X8DTU-F, X8SIU-F, X7DCU, X7DBU, X7DWU, X7DGU, X8DTU-6F, X8DTU-6TF, X8SIU, X7SBU, PDSMU	UIO Chassis	N/A	No	No	No	No
	RSC-R2UU-UA3E8	2U UIO LHS	SXB-E Universal Slot (UIO)	3 PCI-E x8; 1 UIO	Active	No	X7DCU, X7DBU, X7DWU, X7DGU, X8DTU-6F, X8DTU-6TF, X8SIU, X7SBU, PDSMU	UIO Chassis	2021M-UR+B, 2021M-UR+V, 5025B-URB, 5025M-URB, 5025M-URV, 5025M-URB, 6025B-URV, 6025B-URB, 6025W-URV, 6025W-URB	No	No	No	No
	RSC-R2UU-UA3E8+	2U UIO LHS	SXB-E Universal Slot (UIO)	3 PCI-E x8; 1 UIO	Active	No	X8DTU, X8DTU-F, X8DTU-LN4F+, H8DGU, H8DGU-F, H8DGU-LN4F+	UIO Chassis	2022G-URF, 2022G-URF4+, 6026T-UR, 6026T-URF	No	Yes	No	No

Riser Cards

2U UIO (Left Hand Side)

	RSC-R2UU-3E8G	2U UIO LHS	UIO (PCI-E x8)	3 PCI-E x8	Passive	No	X8DTU, X8DTU-F, X8DTU-LN4F+, H8DGPU, H8DGPU-F, H8DGPU-LN4F+, X9DBU-3F, X9DBU-4F	UIO Chassis	N/A	No	Yes	Yes	Yes
	RSC-R2UU-UE8	2U UIO LHS	Universal SXB2 Slot (UIO)	1 UIO1 11 PCI-E x8	Passive	No	H8DMU+, H8SMU, X7SBU, X7DCU, X7DBU, X7DWU, X7DGPU, X8DTU-6F, X8DTU-6TP*	N/A	UIO Chassis	No	Yes, depending on MB	No	No
	RSC-R2UU-2E8	2U UIO LHS	Universal SXB2 Slot (UIO)	2 PCI-E x8	Passive	No	H8DMU+, H8SMU, X7SBU, X7DCU, X7DBU, X7DWU, X7DGPU, X8DTU-6F, X8DTU-6TP*	N/A	UIO Chassis	No	Yes, depending on MB	No	No

2U UIO (Right Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UU-2E8R	2U UIO RHS	PCI-E x16	2 PCI-E x8	Passive	No	H8DMU+, X7DWU	UIO Chassis	2021M-UR+V, 2021M-UR+B, 6025W-URV, 6025W-URB	No	Yes, depending on slots	No	No
	RSC-R2UU-X2E4R	2U UIO RHS	SXB-E Universal Slot (UIO)	2 PCI-E x4; 1 PCI-X	Passive	No	X7DBU, X7DGPU	UIO Chassis	6025B-URV, 6025B-URB	No	No	No	No
	RSC-R2UU-2E4E8R	2U UIO RHS	PCI-E x16	2 PCI-E x4; 1 PCI-E x8	Passive	No	X8DTU-LN4F+	UIO Chassis	2026T-URF4+, 6026T-URF4+	No	Yes	No	No
	RSC-R2UU-2E4R	2U UIO RHS	PCI-E x8	2 PCI-E x4	Passive	No	X8DTU, X8DTU-F, X8DTU-6F+, X8DTU-6TP+, X9DBU-4F, X9DBU-3F, X8SIU-F, X9SPU-F, X7SBU, X7DWU, X8DTU-LN4F, X8SIU	N/A	N/A	No	Yes	Yes	Yes
	RSC-R2UU-2E2E4R	2U UIO RHS	PCI-E x8	2 PCI-E x2; 1 PCI-E x4	Passive	No	H8DGPU-LN4F+	N/A	N/A	No	Yes	No	No

2U WIO (Left Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UW-2E8E16	2U WIO LHS	WIO Slot	2 PCI-E x8; 1 PCI-E x16	Passive	Yes	X9SRW-F, X9SRW-3F, X9DRW-4F, X9DRW-3F, X9DRW-3TF+, X9DRW-3LN4F+	WIO CHASSIS	6027R-72RFTP+, 2027R-72RFTP+	Yes	Yes	Yes	Yes
	RSC-R2UW-U2E8	2U WIO LHS	WIO Slot	2 PCI-E x8; 1 UIO	Passive	Yes	X9SRW-F, X9SRW-3F, X9DRW-4F, X9DRW-3F, X9DRW-3TF+, X9DRW-3LN4F+	WIO CHASSIS	N/A	No	Yes	Yes	Yes
	RSC-R2UW+2E16-2E8	2U WIO LHS	WIO Slot	2 PCI-E x16; 2 PCI-E x8	Passive	Yes	X9DRW-3LN4F+, X9DRW-3TF+, X9DRW-7TF+	WIO CHASSIS	N/A	Yes	Yes	Yes	Yes
	RSC-R2UW-4E8	2U WIO LHS	WIO Slot	4 PCI-E x8	Passive	Yes	X9SRW-F, X9SRW-3F, X9DRW-4F, X9DRW-3F, X9DRW-3TF+, X9DRW-3LN4F+	WIO CHASSIS	5027R-WRF, 2027R-N3RF4+, 2027R-N3RFT+, 6027R-N3RF4+, 6027R-N3RFT+	No	Yes	Yes	Yes

2U WIO (Right Hand Side)

Product Image	Model Name	Category/Form Factor	MB Fit Type	Riser Card Output Type	Design Type	X9 Support	Motherboards	Chassis	SuperServer	GPU/Xeon Phi™ Support	Gen2 Support	Gen3 Support	Auto Detection
	RSC-R2UW-2E4R	2U WIO RHS	1 PCI-E x16	2 PCI-E x8	Passive	Yes	X9SRW-F, X9SRW-3F, X9DRW-F-SS022	2U WIO chassis	N/A	No	Yes	Yes	Yes
	RSC-R2UW-E8R-UP	2U WIO RHS	WIO Slot	1 PCI-E x8	Passive	Yes	X9SRW-3F, X9SRW-F	WIO Chassis	5027R-WRF	No	Yes	Yes	Yes
	RSC-R2UW-2E8R	2U WIO RHS	WIO Slot	2 PCI-E x8	Passive	Yes	X9DRW-4FX9DRW-3FX-9DRW-3TF+X9DRW-3LN4F+	N/A	2027R-72RFTP+, 6027R-72RFTP+	No	Yes	Yes	Yes

IPMI (Server Remote Management)

Onboard IPMI 2.0 for(-F) Motherboards/Servers

Many Supermicro (-F) motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs.

Monitoring Features:

- Monitor CPU and system temperature
- Monitor on-board voltage (12V, 5V, 5Vst_by, Vbat, Vcore, memory voltage)
- Monitor and control fan speed
- Chassis intrusion
- Power status (including PMbus support)
- Memory errors
- CPU errors

Management Features:

- Remote system power control (including ACPI power off)
- Virtual Media and KVM (included with price of motherboard)
- SOL (included with price of motherboard)
- E-mail alerts and SNMP traps
- Support for Node Manager
- Mount ISO images

Security Features:

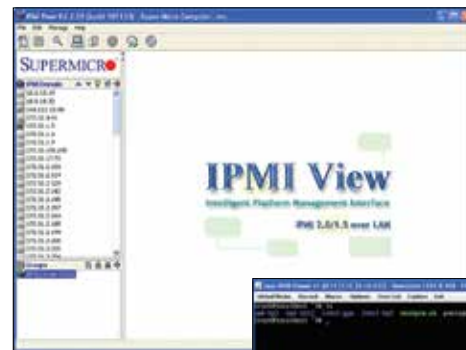
- Firmware firewall
- Restricted access using pre-defined IP address
- Added security with SSL
- Protection from shell injection

Easy Maintenance:

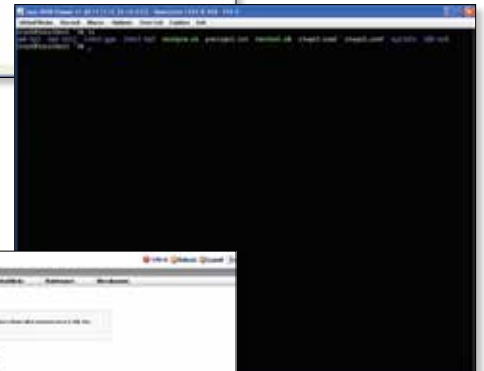
- Configuration utility for DOS, Windows, Linux
- Firmware flash utilities for DOS, Windows, Linux (easy to script)
- Firmware flash using web-browser
- Fail-over access to IPMI over network
- CLI and GUI tools to maintain large deployments
- Support OOB BIOS management (for selected HW)

Added-value Features:

- SMASH
- DCMI
- Active directory and LDAP
- RADIUS



GUI



Remote Console



Virtual Media

Item	Status	Reading
CPU Temp	Normal	48.0°C
CH1 Temp	Normal	48.0°C
CH2 Temp	Normal	48.0°C
CH3 Temp	Normal	48.0°C
CH4 Temp	Normal	48.0°C
CH5 Temp	Normal	48.0°C
CH6 Temp	Normal	48.0°C
CH7 Temp	Normal	48.0°C
CH8 Temp	Normal	48.0°C
CH9 Temp	Normal	48.0°C
CH10 Temp	Normal	48.0°C
CH11 Temp	Normal	48.0°C
CH12 Temp	Normal	48.0°C
CH13 Temp	Normal	48.0°C
CH14 Temp	Normal	48.0°C
CH15 Temp	Normal	48.0°C
CH16 Temp	Normal	48.0°C
CH17 Temp	Normal	48.0°C
CH18 Temp	Normal	48.0°C
CH19 Temp	Normal	48.0°C
CH20 Temp	Normal	48.0°C
CH21 Temp	Normal	48.0°C
CH22 Temp	Normal	48.0°C
CH23 Temp	Normal	48.0°C
CH24 Temp	Normal	48.0°C
CH25 Temp	Normal	48.0°C
CH26 Temp	Normal	48.0°C
CH27 Temp	Normal	48.0°C
CH28 Temp	Normal	48.0°C
CH29 Temp	Normal	48.0°C
CH30 Temp	Normal	48.0°C
CH31 Temp	Normal	48.0°C
CH32 Temp	Normal	48.0°C
CH33 Temp	Normal	48.0°C
CH34 Temp	Normal	48.0°C
CH35 Temp	Normal	48.0°C
CH36 Temp	Normal	48.0°C
CH37 Temp	Normal	48.0°C
CH38 Temp	Normal	48.0°C
CH39 Temp	Normal	48.0°C
CH40 Temp	Normal	48.0°C
CH41 Temp	Normal	48.0°C
CH42 Temp	Normal	48.0°C
CH43 Temp	Normal	48.0°C
CH44 Temp	Normal	48.0°C
CH45 Temp	Normal	48.0°C
CH46 Temp	Normal	48.0°C
CH47 Temp	Normal	48.0°C
CH48 Temp	Normal	48.0°C
CH49 Temp	Normal	48.0°C
CH50 Temp	Normal	48.0°C
CH51 Temp	Normal	48.0°C
CH52 Temp	Normal	48.0°C
CH53 Temp	Normal	48.0°C
CH54 Temp	Normal	48.0°C
CH55 Temp	Normal	48.0°C
CH56 Temp	Normal	48.0°C
CH57 Temp	Normal	48.0°C
CH58 Temp	Normal	48.0°C
CH59 Temp	Normal	48.0°C
CH60 Temp	Normal	48.0°C
CH61 Temp	Normal	48.0°C
CH62 Temp	Normal	48.0°C
CH63 Temp	Normal	48.0°C
CH64 Temp	Normal	48.0°C
CH65 Temp	Normal	48.0°C
CH66 Temp	Normal	48.0°C
CH67 Temp	Normal	48.0°C
CH68 Temp	Normal	48.0°C
CH69 Temp	Normal	48.0°C
CH70 Temp	Normal	48.0°C
CH71 Temp	Normal	48.0°C
CH72 Temp	Normal	48.0°C
CH73 Temp	Normal	48.0°C
CH74 Temp	Normal	48.0°C
CH75 Temp	Normal	48.0°C
CH76 Temp	Normal	48.0°C
CH77 Temp	Normal	48.0°C
CH78 Temp	Normal	48.0°C
CH79 Temp	Normal	48.0°C
CH80 Temp	Normal	48.0°C
CH81 Temp	Normal	48.0°C
CH82 Temp	Normal	48.0°C
CH83 Temp	Normal	48.0°C
CH84 Temp	Normal	48.0°C
CH85 Temp	Normal	48.0°C
CH86 Temp	Normal	48.0°C
CH87 Temp	Normal	48.0°C
CH88 Temp	Normal	48.0°C
CH89 Temp	Normal	48.0°C
CH90 Temp	Normal	48.0°C
CH91 Temp	Normal	48.0°C
CH92 Temp	Normal	48.0°C
CH93 Temp	Normal	48.0°C
CH94 Temp	Normal	48.0°C
CH95 Temp	Normal	48.0°C
CH96 Temp	Normal	48.0°C
CH97 Temp	Normal	48.0°C
CH98 Temp	Normal	48.0°C
CH99 Temp	Normal	48.0°C
CH100 Temp	Normal	48.0°C

Sensor Readings

SuperDoctor® Server Management

Health Info



System Info



Configuration - Alerts



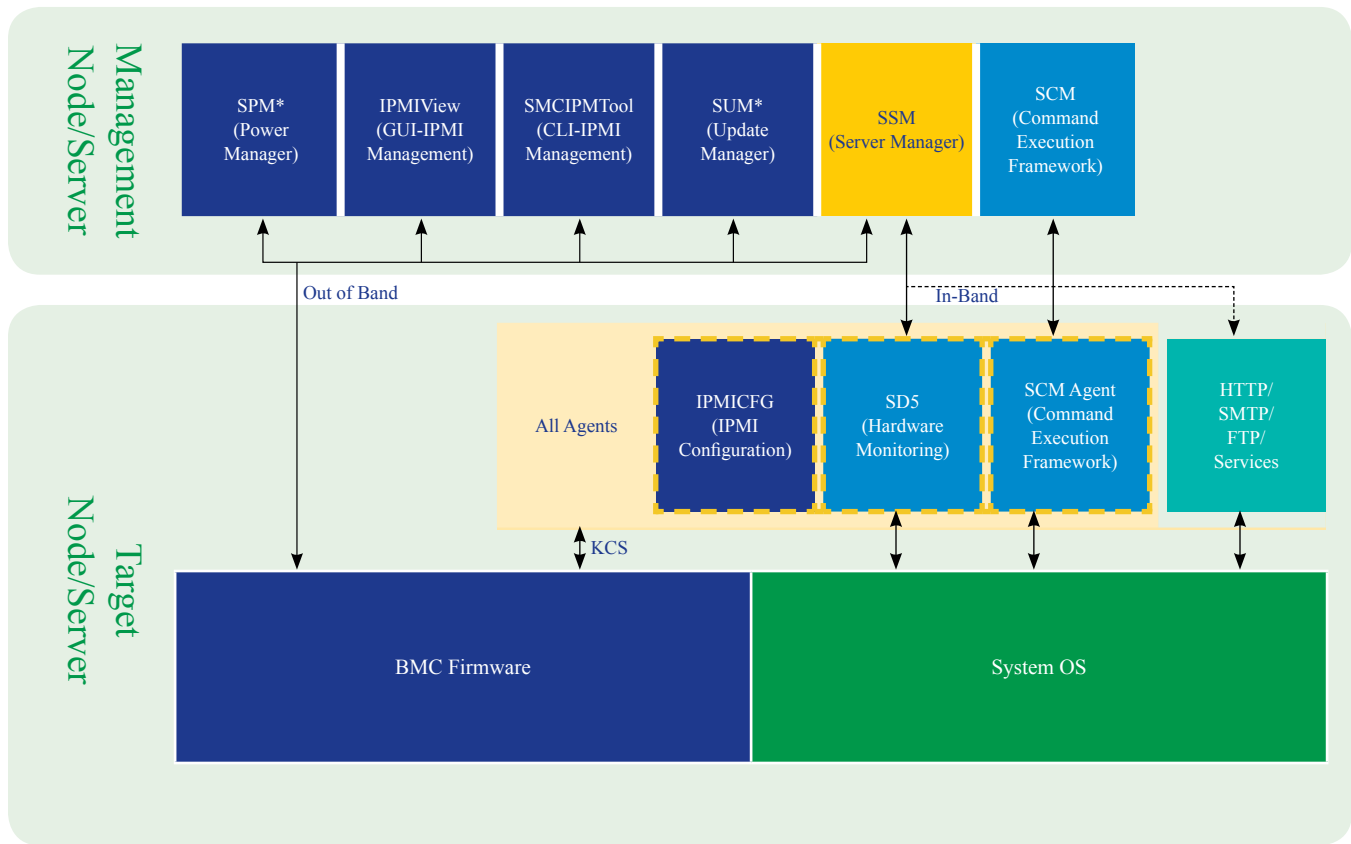
Configuration - Monitor Items



Configuration - Flash BIOS



Server Management Utilities



Supermicro Server Management Utilities

Server management utilities assist data center system administrators to manage hardware issues such as server availability and firmware upgrades to reduce server downtime.

Supermicro has developed a multifunction suite of tools that can perform health monitoring, power management and firmware maintenance to help deploy and maintain servers in data centers.

Our solutions are designed for easy automation with existing management infrastructure. In data centers, Supermicro Server Management Utilities provides you all the necessary functions like:

Remotely managing the health of hardware and operating system services:

Helps IT operators to monitor the health of system components through Agent and Agent-less based solutions.

Managing power consumption of nodes in cluster:

Optimize the power consumption of your server rack. Monitor and apply policies to maximize compute density per rack and avoid unexpected server shutdowns.

Managing BIOS provisioning through BMC/IPMI:

Allows you to manage system BIOS upgrades and configurations uniformly across multi-environment deployments through baseboard management controller.

Execute commands on multiple target systems in parallel:

Perform parallel firmware upgrades, system memory and power commands, and many more through SSL and RMCP+.

*AMD platform not supported.

Layer 2 Ethernet Switches

Cost-effective 1-Gigabit Ethernet networking including a Power-over-Ethernet model and featuring Energy Efficient Ethernet – We Keep IT Green®

New!



Rear View

New!



Model	SSE-G2252P (52 ports; 48 with Power-over-Ethernet)	SSE-G2252 (52 ports)
General Specifications:	48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports - Non-Blocking - Standard L2 Features - IPv4 and IPv6 - RJ45 Console Port: Web Management, CLI - Power-over-Ethernet (IEEE802.3at) - Up to 30W per port - Up to 400W total PoE budget	48 RJ45 10/100/1000 Mbps Ports 4 SFP 1-G Ports - Non-Blocking - Standard L2 Features - IPv4 and IPv6 - RJ45 Console Port: Web Management GUI, CLI
Switching Capacity	• 104 Gbps	• 104 Gbps
Energy Efficient Ethernet	• 802.3az	• 802.3az
Power Supply	• 500W	• 65W
Weight	• 11.7 lbs / 5.3kg	• 6.8 lbs / 3.1kg
Dimensions (WxDxH)	• 440 x 379 x 43mm (17.3" x 14.9" x 1.7")	• 440 x 279 x 43mm (17.3" x 11" x 1.7")
Switching Features	16K MAC address entries - Link Aggregation 802.3ad with LACP - Up to 12 aggregation groups up to 8 ports per group	- Double tagging: 802.1 Q-in-Q 802.1ad provider bridge - Unqualified learning and forwarding - Storm protection - Broadcast - Multicast - IGMP: - IGMP snooping v1/v2/v3 - Spanning tree 802.1D spanning tree 802.1s multiple - Jumbo frames up to 9KB
VLAN	802.1Q tagging, port and protocol based - Dynamic VLAN Support (GVRP)	256 active VLANs - Voice VLAN support
Quality of Service (QoS)	- L2/L3/L4Traffic Classification/ Priority Management - Deficit WRR and Strict Priority Scheduling - Traffic shaping - IP based (all ports) - Port based (all ports) - Port based shaping QoS aware 4 priority queues per port - IPv4/v6 DiffServ	- Per port bandwidth management - Resolution 64KB - Packet prioritization based on ingress/egress ports using pre-defined value - Ingress/Egress metering at 64KB increments - Ingress/egress policer - Ingress and egress co-work
Security Features	802.3x Port-Based Authentication - Switch access password protection - Layer 2, 3, 4 Access Control List (512 rules)	- RADIUS and TACACS+ Authentication - SSH/SSL Encryption
Management Features	- Web-based management interface – HTTP/HTTPS - Telnet (4 sessions) - SNMP - Industry standard CLI with telnet, SSH, or local management port - Scripting capability - Command completion - Context-sensitive "Help"	- Software upgrade/download - Multiple configuration file upload/download by TFTP and HTTP - Auto upgrade - DHCP functions - Telnet-Server - SNMP v1/v2c/v3 - RMON
PoE Features	- Compliant with IEEE 802.3af-2003 & IEEE 802.3at-2009 - PoE on 10/100/1000Base-T ports only (ports 1~48) - Power start/stop (remote sense) - Power feeding over 1/2 and 3/6 data twisted pair of Cat. 5 UTP/STP cable - Independent overload and short-circuit protection for each port - LED indicators for power status per port - Per port configuration - Port priority configuration - IEEE 802.3af/IEEE 802.3at MIB for Power over Ethernet function	
Operating Temperature	• 0 ~ 50°C	

Please refer to the Supermicro website for all the latest updates:

<http://www.supermicro.com/networking>

Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.
Highly cost-effective 1/10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.



Rear View



Model	SSE-G48-TG4	SSE-G24-TG4
Port Attributes	48 One Gigabit Ethernet ports 48 RJ45 Copper ports - Four fiber SFP combo ports - Out-of-band RS-232 Management port - Up to four 10-Gigabit Ethernet uplinks - Up to two stacking ports	24 One Gigabit Ethernet ports 24 RJ45 Copper ports - Four fiber SFP combo ports - Out-of-band RS-232 Management port - Up to four 10-Gigabit Ethernet uplinks - Up to two stacking ports
Switching Capacity	184 Gbps	136Gbps
Stacking Performance	Up to 48 Gbps	Up to 48 Gbps
Power Consumption	145W	105W
Weight	13.7 lbs / 6.20 kg (w/ modules) 13.4 lbs / 6.06 kg (w/o modules)	12.6 lbs / 5.70 kg (w/ modules) 12.2 lbs / 5.54 kg (w/o modules)
Dimensions (WxDxH)	440 x 387 x 43mm (17.3" x 15.2" x 1.7")	
Availability	- Spanning Tree (802.1D) - Rapid Spanning Tree (802.1w)	- Multiple Spanning Trees (802.1s) - Virtual Redundant Routing Protocol (VRRP)
VLAN	802.1Q tagging, port and protocol based - Dynamic VLAN Support (GVRP)	1K Static VLANs
Quality of Service and DiffServ	8 priority queues per port - Adjusted WRR and Strict Priority Scheduling - Layer 2, 3, 4 Prioritization	- Marking - Metering / Rate limiting
Switching Features	- Link Aggregation - 24 groups with 8 members per group - LACP Support - Link Layer Discovery Protocol (802.1AB)	- Jumbo Frames up to 9KB - Port Mirroring – N to 1. Tx & Rx Configurable
Routing Features	- Static Routing, RIP v1/v2, RIPng, OSPF v1/v2/v3 and BGP - IPv4 and IPv6 Routing	- VRRP (Virtual Router Redundancy Protocol) - DVMRP (Distance Vector Multicast Routing Protocol)
Multicast	- IGMP Snooping v1, v2, v3 - IGMP v1, v2, v3	- PIM SM, PIM DM - PIM SMv6
Security Features	802.3x Port Based Authentication - Switch access password protection - Layer 2, 3, 4 Access Control Lists (256 rules)	- RADIUS and TACACS+ Authentication - SSH, SSL Encryption
Management Features	- Web-based management interface – HTTP/HTTPS - Telnet - SNMP - Industry standard CLI with telnet, SSH, or local management port - Scripting capability - Command completion - Context-sensitive "Help"	- Multiple levels of user privilege (CLI and Web UI) - SNMP v1, v2, v3 - Four RMON Groups - (1, 2, 3 and 9) - Logging – syslog - Dual firmware images - Configuration file - upload / download
Operating Temperature	0 ~ 40°C	

Options (order at least one, maximum two with each SSE-G24-TG4 or SSE-G48-TG4)



AOM-SSE-X2C

Two-port CX4 connector module for copper connections and for Stacking



AOM-SSE-X2F

Two-port XFP connector module for fiber connections



AOM-SSE-X2S

Two-port SFP+ connector module for copper or fiber connections

Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.
Highly cost-effective 10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.

New!



Rear View



Model	SSE-X24S/SR	SSE-X3348S/SR	SSE-X3348T/TR	SSE-X3848S
Port Attributes	24 Ten Gigabit Ethernet ports - SFP+ Connectors 1 One-Gigabit Ethernet port - RJ45 Connector - Out-of-band RS-232 Management port	48 Ten-Gigabit Ethernet ports - SFP+ Connectors 4 Forty-Gigabit Ethernet ports - QSFP Connectors 2 One-Gigabit Ethernet ports - RJ45 Connectors - Out-of-band RS-232 Management port	48 Ten-Gigabit Ethernet ports - 10GBASE-T RJ45 connectors 4 Forty-Gigabit Ethernet ports - QSFP Connectors 2 One-Gigabit Ethernet ports - RJ45 Connectors - Out-of-band RS-232 Management port - Energy Efficient Ethernet- IEEE 802.3az	48 Ten-Gigabit Ethernet ports - SFP+ Connectors 4 Forty-Gigabit Ethernet ports - QSFP Connectors 1 RJ45 Out-of-Band Ethernet Management Port 1 RJ45 Console port 1 USB port
Switching Capacity	480 Gbps	1284 Gbps	1284 Gbps	1280 Gbps
Power Consumption	176W (Redundant Power Supplies) - Reverse airflow model available	326W (Redundant Power Supplies) - Reverse airflow model available	357W (Redundant Power Supplies) - Reverse airflow model available	325W (Dual Redundant, Hot-swappable, High Efficiency, 600W Power Supplies)
Weight	16.7 lbs / 7.58 kg	18.1 lbs / 8.2 kg	20.3 lbs / 9.22 kg	21.0 lbs / 9.6kg
Dimensions (WxDxH)	440 x 387 x 43mm (17.3" x 15.2" x 1.7")	438 x 473 x 43mm (17.3" x 18.6" x 1.7")	438 x 473 x 43mm (17.3" x 18.6" x 1.7")	442 x 473 x 44 mm (17.4" x 18.6" x 1.7")
Availability	- Spanning Tree (802.1D) - Rapid Spanning Tree (802.1w)	- Multiple Spanning Trees (802.1s) - Virtual Redundant Routing Protocol (VRRP)		- Spanning Tree (802.1D) - Rapid Spanning Tree (802.1w) - Multiple Spanning Trees (802.1s) - BPD Guard - Root Guard
VLAN	802.1Q tagging, port and protocol based - Dynamic VLAN Support (GVRP)	4K Static VLANs		802.1Q tagging, port based 4K VLANs - VLAN Tagging (802.3ac)
Data Center	DCBx			
Quality of Service and DiffServ	8 priority queues per port - Adjusted WRR and Strict Priority Scheduling - Layer 2, 3, 4 Prioritization	- Marking - Metering / Rate limiting		8 priority queues per port - QoS (with DiffServ) - COS - Storm Control - Flow Control
Switching Features	- Link Aggregation - 24 groups with 8 members per group - LACP Support - Link Layer Discovery Protocol (802.1AB)	- Jumbo Frames up to 9KB - Port Mirroring – N to 1. Tx & Rx Configurable		- Link Aggregation - 802.3ad with LACP - Up to 31 aggregation groups - Up to 8 ports per group - Link Layer Discovery Protocol (802.1AB) - Jumbo Frames up to 9KB - Port Mirroring - Forwarding Table size – 64K
Routing Features	- Static Routing, RIP v1/v2, RIPvng, OSPF v1/v2/v3 and BGP - IPv4 and IPv6 Routing	- VRRP (Virtual Router Redundancy Protocol) - DVMRP (Distance Vector Multicast Routing Protocol)		- Static Routing - OSPF v2 and BGP4 - IPv4 and IPv6 Routing - Address Resolution Protocol (ARP) - Equal Cost multi-path (ECMP)
Multicast	- IGMP Snooping v1, v2, v3 - IGMP v1, v2, v3	- PIM SM, PIM DM - PIM SMv6		IGMP Snooping (4K groups)
SDN				Openflow
Security Features	802.3x Port Based Authentication - Switch access password protection - Layer 2, 3, 4 Access Control Lists (256 rules)	- RADIUS and TACACS+ Authentication - SSH, SSL Encryption		- Switch access password protection - RADIUS and TACACS+ Authentication - Access Control Lists (to 4K) - SSH, SSL Encryption
Management Features	- Web-based management interface – HTTP/HTTPS - Telnet - SNMP - Industry standard CLI with telnet, SSH, or local management port - Scripting capability - Command completion - Context-sensitive "Help"	- Multiple levels of user privilege (CLI and Web UI) - SNMP v1, v2, v3 - Four RMON Groups - (1, 2, 3 and 9) - Logging – syslog - Dual firmware images - Configuration file - upload / download		- Industry standard CLI with SSH, or local management port - XML-RPC - Command completion - Context-sensitive "Help" - SNMP v1/v2/v3 - DHCP - Uplink Failure Detection - Web-based management interface - HTTP/HTTPS - Syslog - NTP
Operating Temperature	0 ~ 40°C	0 ~ 47°C	0 ~ 45°C	0 ~ 40°C

Cables

SFP+ Cables: 10GbE SFP+ to SFP+



CBL-0347L
100cm (39.4")



CBL-0456L
200cm (78.7")



CBL-0348L
300cm (118.1")



CBL-0349L
500cm (196.9")
CBL-NTWK-0594
10m (393.7")

QSFP Cables: 40GbE QSFP to QSFP QDR



CBL-0417L
100cm (39.8")



CBL-0325L
200cm (78.7")



CBL-0446L
300cm (118.1")
CBL-NTWK-0632
10m (393.7")
(Active Fiber Optic)



CBL-0422L
500cm (196.9")



CBL-0467L
700cm (275.6")



CBL-0468L
1500cm (590.7")
(Active Fiber Optic)

FDR Cables: 56GbE QSFP+ to QSFP+ FDR



CBL-0490L
100cm (39.4")



CBL-0496L
300cm (118.1")

InfiniBand CX4 Cables



CBL-0474L
100cm (39.4")
CX4 to CX4



CBL-0389L
300cm (118.1")
CX4 to CX4



CBL-0475L
1200cm (472.4")
CX4 to CX4



CBL-0324L
200cm (78.8")
QSFP to INFINIBAND
CX4

SATA Cables: Straight to Straight



CBL-0473L
21cm (8.3"), 30AWG



CBL-0483L
29cm (11.4"), 30AWG



CBL-0484L
55cm (21.7"), 30AWG



CBL-0481L
81cm (31.9"), 30AWG

SATA Cables: Straight to Right Angle



CBL-0488L
55cm (21.7"), 30AWG
CBL-0489L
70cm (27.6"), 30AWG



CBL-SAST-0639
31cm (12.2")
CBL-SAST-0640
38cm (15")
CBL-SAST-0641
45cm (17.7")

Internal MiniSAS to 4 SATA



CBL-0118L-03
23cm, w/ 25.5cm SB, S,
30AWG



CBL-0097L-03
50cm, w/ 50cm SB, S,
30AWG



CBL-0287L-01
43/43/33/33cm,
w/ 43cm SB, RA, 30AWG



CBL-0388L-01
90/90/75/75cm w/ 75cm
SB, RA, 30AWG

Internal MiniSAS to 4 SATA Cross Over



CBL-0294L-02
58cm, w/ 58cm SB, S,
30AWG

Internal & External MiniSAS Cables



CBL-0109L-02
22cm (8.7"),
iPASS to iPASS Cable,
26AWG



CBL-0108L-02
39cm (15.4"),
iPASS to iPASS Cable,
26AWG



CBL-0421L
55cm (21.7"),
iPASS to iPASS Cable



CBL-0281L-01
75cm (29.5"),
iPASS to iPASS Cable,
30AWG



CBL-0394L
90cm (35.4"),
iPASS to iPASS Cable,
26AWG



CBL-0463L
50cm (19.7")
External MiniSAS



CBL-0166L
100cm (39.4"),
External MiniSAS



CBL-0171L
300cm (118.1"),
External MiniSAS



CBL-0167L
61cm (24.0"),
Ext(1F) to Int(1M)



CBL-0351L
85cm (33.5"),
Ext(1F)-to-Int(1M)



CBL-0168L(-LP)
66/61cm (26"/24"),
Ext(2F) to Int(2M)



CBL-0386L
70cm/50cm (27.6"/19.7"),
Ext(4F)-to-Int(4M)



CBL-0352L(-LP)
85cm (33.5"),
Ext(2F)-to-Int(2M)

New! MiniSAS HD Cables (up to 12Gbps)

Internal MiniSAS (iPASS) to MiniSAS HD Cables



CBL-SAST-0507-01
80cm w/ SB, 28AWG



CBL-SAST-0508-01
50cm w/ SB, 30AWG

Internal MiniSAS HD to MiniSAS HD Cables



CBL-SAST-0531
80cm w/ SB, 30AWG



CBL-SAST-0532
50cm w/ SB, 30AWG



CBL-SAST-0550
25cm w/ SB, 30AWG



CBL-SAST-0568
35cm w/ SB, 30AWG

External MiniSAS HD to External MiniSAS HD Cables



CBL-SAST-0573
100cm w/ SB, 28AWG



CBL-SAST-0677
300cm w/ SB, 28AWG



CBL-SAST-0690
200cm w/ SB, 28AWG

NOTE: All cables are PB free.

SB = Sideband
RA = Right Angle

M = Male

LP = Comes with low profile bracket

S = Straight

iPASS = Internal MiniSAS

F = Female

MicroLP Network Cards

FatTwin™ supports MicroLP Network Cards



Model	AOC-CIBQ-m1	AOC-CIBF-m1	AOC-CTG-i2T	AOC-CTG-i2S	AOC-CTG-i1S	AOC-CGP-i2
Form Factor	MicroLP	MicroLP	2U MicroLP	MicroLP	MicroLP	MicroLP
Description	Single-port IB QDR/ 10G Ethernet	Single-port IB FDR/40G Ethernet	Dual-port 10GbE 10GBase-T	Dual-port 10GbE SFP+	Single-port 10GbE SFP+	Dual-port GbE
Interface	PCI-E 3.0 x8	PCI-E 3.0 x8	PCI-E 2.0 x8	PCI-E x8	PCI-E x8	PCI-E x4
Port	1 QSFP port / 2 USB ports	1 QSFP port / 2 USB ports	2 RJ45 ports	2 SFP+ ports / 2 USB ports	1 SFP+ port / 2 USB ports	2 RJ45 ports
Speed	40Gb/port (IB) or 10Gb/port (Ethernet)	56Gb/port (IB) or 40Gb/port (Ethernet)	10Gb/port	10Gb/port	10Gb/port	1Gb/port
Controller	Mellanox® ConnectX-3 QDR	Mellanox® ConnectX-3 FDR	Intel® X540	Intel® 82599ES	Intel® 82599EN	Intel® i350
Dimension (LxW) (without end brackets)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.8" x 3.0" (12.32 x 7.66cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)	4.45" x 1.32" (11.3 x 3.35cm)
F617R2-R72+ (FatTwin 8 Nodes)	Compatible with 1U bracket	Compatible with 1U bracket	N/A	Compatible with 1U bracket	Compatible with 1U bracket	Compatible with 1U bracket
F617R2-RT+* (FatTwin 8 Nodes)	Compatible with 1U bracket	Compatible with 1U bracket	N/A	Compatible with 1U bracket	Compatible with 1U bracket	Compatible with 1U bracket
F627R3-R72B+ (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket
F627R3-RTB+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 1U bracket	Compatible with 2U bracket
F627R2-RTB+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket
F627R2-RT+* (FatTwin 4 Nodes)	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket	Compatible with 2U bracket

Accessory Modules

MCP-240-42408-0N-PAC	Mounting bracket for the Intel® Xeon Phi™ co-processor card for configurations using the Xeon Phi™
MCP-220-93801-0B	HDD hot swap bracket that includes the 3.5" to 2.5" adapter plate
MCP-240-00134-0N	Adapter bracket to mount a 2.5" drive into an IO expansion slot
MCP-240-00131-1N	Adapter bracket to mount a 2.5" drive on to a 3.5" drive bay in the FatTwin Hadoop.
MCP-220-00044-0N	Adapter bracket to mount two 2.5" drives on to a 3.5" drive tray in the F617R3
SFT-OOB-LIC	License key for enabling OOB BIOS management
SFT-DCMS-Single	Datacenter Server Management Software Package

* Uses 2 right angle SATA cables (CBL-0231L)

Product Naming Guide

SYS - 1 0 2 6 R - U R F

1st 2nd 3rd 4th 5th 6th 7th 8th

Servers with 2.5" Hard Drives

Character	Representation	Options
1st	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U 5 = 5U
2nd	Reserved Digit	
3rd	Number of processor slots	1 = Single processor slot 2 = Dual processor slots 4 = Quad processor slots 8 = Oct processor slots (8 way server)
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Brickland (X10) C = Clarksboro (X7) B = Bigby/Skt B2 C = Cougar Point (X9) G = GPU I = Foxhollow (X7) M = Mukilteo R = Romley / Socket R (X9 / X10) ST = Storage Server T = Tylersburg (X7) xT = x: platform (ex: T-Twin, G-GPU);
6th	HDD Interface	3 = SAS (Intel) 6 = SAS2 (Intel) 70 = SAS2 (LSI2008) 71 = SAS2 (LSI2108) 72 = SAS2 (LSI2208) 73 = SAS2 (LSI 2308) 73J = SAS2 (LSI 2308 IT mode) C0 = SAS3 (LSI 3008) 12Gb C1 = SAS3 (LSI 3108) 12Gb A = Workstation D = DCO E = Extension Slot with Riser H = Hot Swap, Six GPUs L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO
7th	Power Redundancy	R = Redundant power supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory F = On board BMC (IPMI) T = 10 Gigabit Ethernet 2 = 2nd Generation GPU 4 = 4 Independent LAN ports

SYS - 6 0 2 6 T - N T R +

1st 2nd 3rd 4th 5th 6th 7th 8th

Servers with 3.5" Hard Drives

Character	Representation	Options
1st	Number of processor slots	5 = Single processor slot 6 = Dual processor slots 7 = Dual processor slots (Tower) 8 = Quad processor slots (4 way Server)
2nd	Reserved Digit	
3rd	Form Factor	1 = 1U 2 = 2U 3 = 3U 4 = 4U
4th	System Generation	5 = X7 Series 6 = X8 Series 7 = X9 Series 8 = X10 Series
5th	Chipset	A = Atom B = Boxboro (X8) B = Bigby/Skt B2(X9) B = Brickland (X10) C = Clarksboro (X7) C = Cougar Point(X9) G = GPU I = Foxhollow(X7) M = Mukilteo P = Pxx PR = X9 Twin Pro R = Romley/Socket R(X9/X10) S = Skylake ST = Storage Server T = Tylersburg TP = X10 Twin Pro TR = Twin R Socket xT = x: platform (ex: T-Twin, G-GPU); T: Tylersburg U = Ultra UT = EXDP Twin Pro UX = Hyperspeed
6th	HDD Interface	3 = Intel SAS 6 = Intel SAS2 70 = SAS2 (LSI2008) 71 = SAS2 (LSI2108) 72 = SAS2 (LSI2208) 73 = SAS2 (LSI 2308) 73J = SAS2 (LSI 2308 IT mode) C0 = SAS3 (LSI 3008) 12Gb C1 = SAS3 (LSI 3108) 12Gb A = Workstation D = Desktop, DCO E = Extension Slot with Riser H = Hot Swap L = Low Cost M = Mini-Chassis P = Internal slot NT = SATA without UIO T = SATA U = UIO W = WIO N = NVME X = 11 Slots, Max IO
7th	Power Redundancy	R = Redundant Power Supply E = Expansion Slot
8th	Additional	+ = 18(X8)/24(X9)/32(X9 Quad) DIMM memory slots F = On board BMC (IPMI, no longer used with X10) P = 10G SFP+ T = 10 Gigabit Ethernet 4 = 4 Independent LAN ports

Mission Critical SuperServer® Solutions - The Supermicro Advantage

With advanced in-house server building block designs and uncompromising quality control, Supermicro's expert engineers have created a wide range of high-performance, high-reliability, and cost-effective solutions. Supermicro's first-to-market offerings provide fully optimized functionality, compatibility and a system integration "quality guarantee" for mission-critical applications.

Supermicro DP Motherboard Selection Assistant

The Supermicro DP Motherboard Selection Assistant tool allows customers to quickly and easily find the Supermicro DP motherboards that most closely fit their needs. By answering just a few simple questions using easy and convenient drop-down menus the Selection Assistant returns a list of the most relevant Supermicro DP motherboards.

The Supermicro DP Motherboard Selection Assistant can be found at: <http://www.supermicro.com/mbsa>

Supermicro Quality and Reliability

All Supermicro products are designed with the highest quality optimized components. To ensure customers peace of mind, all Supermicro Building Block Solutions® must pass a strict validation process, and our "one stop shop" capability will assure their business success. With the highest reliability and performance in mind Enterprise Level hard disk drives are a requirement for Supermicro systems.

The Most Extensive Server Building Block Product Line in the Industry

Supermicro's engineering expertise has produced more than 250 Xeon®/Pentium®-based serverboards and over 500 optimized chassis. With these state-of-the-art Server Building Block Solutions® and outstanding technical support, customers can be assured of the industry's best, most optimized solutions for their IT problems. They can ramp up their businesses more quickly and successfully with reduced total costs of ownership.

Intel® Xeon® Processor E5 and E3 Families, 3600/3500/3400 Series Solutions

Supermicro's industry-leading line of Server Building Block Solutions® utilize the latest Intel processor designs including: Xeon® processor E5-2600/1600 v3 product families for standard servers; Atom™ processor for storage and microservers (Avoton); XeonR processor E5-4600/2400 series, E3-1200 v2 product family. These multi-core based servers are loaded with features and engineered to perform with minimal power. The latest Intel® Xeon® processor E5-2600/1600 v3 product families delivers many new features over previous processor generations, including up to 36 processor cores per DP serverboard, 160W TDP, with additional performance and security features.

High Capacity Memory

In addition to providing High Quality and Reliable memory, Supermicro is also the leader in offering the next generation of industry standard memory module, 64GB LRDIMMs. The LRDIMM (Load-Reduced Dual In-line Memory Module) is the next generation of industry standard DDR4 DIMM for Servers and Workstations that offers increased capacity, up to 1.5TB in 24 DIMMs, and performance, up to 2133MHz.

Advanced Storage Technologies

Supermicro achieves the highest storage density with the 4U SC847 Double-Sided Storage® JBOD solution featuring 90x 3.5" hot-swappable HDDs in 45 drive bays. Supermicro's innovative Double-Sided Storage® (SC417) provides extra high-density storage to maximize space and power efficiency. With support for up to 88x 2.5" HDDs in JBOD mode and 72x 2.5" HDDs in server mode, the SC417 provides direct hot-swap access to all the Storage Drives. Additional high value features include integrated SAS 3.0 that doubles the storage data transfer rate to 12.0 Gbps for the most advanced applications. The Supermicro SC847D Double-Sided Storage® offers an industry-leading 72 hot-swap 3.5" SAS2/SATA3 HDDs in 4U. Supermicro is among the first to provide NVMe support with up to 4x performance of SAS 3.0, on our SuperServer® solutions.

Latest Networking Solutions

Supermicro Building Block Solutions® include the most advanced onboard networking components such as QDR and FDR InfinBand, 40 Gigabit Ethernet, and both 10GBase-T and SFP+ 10 Gigabit Ethernet. These technologies allow Supermicro Building Block Solutions® to satisfy the most advanced customer networking needs.

Onboard Management (IPMI 2.0)

Many Supermicro X10/X9 motherboards now offer IPMI 2.0 capabilities onboard through a dedicated LAN with an option of shared LAN port to support both Virtual Media over LAN and KVM-over-LAN. This convenient remote management feature is provided through an onboard BMC (Baseboard Management Controller) that improves reliability and maintainability while reducing costs. The BMC provides additional Enterprise management functions such as BIOS firmware management, System Utilization (X10) and Asset Information (X10).

Hybrid CPU + GPU/MIC Supercomputing Systems

With supercomputer-level performance, these hybrid CPU + GPU/Xeon Phi™ supercomputing solutions are ideal for scientific computing, CAD/CAM, oil and gas exploration, medical imaging, and other computationally-intensive applications.

Advanced Power Saving Components

Supermicro's motherboards utilize high-end components such as high-efficiency VRMs optimized to reduce energy consumption. These energy-efficient designs make Supermicro an industry leader in performance-per-watt and per-dollar.

BBP® and 96%+ Peak Power Supply Efficiency Designed for Power Savings & Environmental Protection

Supermicro has mastered the power supply design challenge to produce high-quality, high-performance Titanium Level redundant, hot-swappable Digital Power Supplies with peak efficiency ratings of 96% and higher. Supermicro has also developed an industry-first redundant hot-swappable battery backup power UPS module (BBP®) ideally suited for environments in need of cost-effective uninterruptible power solutions, and CacheVault SuperCap which is the latest in power loss data protection technology. These components help make Supermicro the leading Green standard for server chassis solutions.

Enhanced Cooling Systems

With enhanced rear cooling, Supermicro chassis and server systems can effortlessly support the latest energy intensive GPUs and add-on cards such as PCI-E SSDs. Supermicro's patented 100% redundant cooling designs can run continuously at their full potential, even when a fan failure occurs. Expertly engineered high-performance fans and unique air shrouds allow Supermicro to dramatically reduce downtime due to thermal issues.

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Global SKUs are popular, high-volume Supermicro products designed for higher sustained inventory levels at Supermicro's global operations and logistics centers in the US, Asia, and Europe. Global SKUs are integrated locally within their region to minimize customers' transportation times, costs, and environmental impacts to help keep our Mother Earth Green.

Supermicro is RoHS Compliant

Supermicro is proud to rally a migration to earth-friendly server products that contain minimal amounts of hazardous substances. With the RoHS Directive changing the electronics industry worldwide, Supermicro produces environmentally safe products that meet or exceed RoHS requirements.

Operating System Support

Supermicro endorses and supports a variety of server operating systems for SuperServer® and Server Building Block Solutions® products including Windows Server 2012, the most recent released publicly available version of Microsoft Windows Server, RHEL, VMware, Citrix, GPU, and others. Please contact Supermicro for the very latest compatible and logo certified products or consult the following websites: http://www.supermicro.com/support/resources/OS/OS_Certification_Intel.cfm

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Supermicro's server systems are carefully designed with our Server Building Block Solutions® to provide the ultimate in performance, efficiency and improved TCO. With the industry's broadest variety of advanced technology server systems, Supermicro has the best solution for every IT need.

Please refer to the Supermicro website for all the latest updates: <http://www.supermicro.com>



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New! TwinPro™
New Generation Twin System
4 DP Nodes in 2U



FatTwin™
8/4 Nodes in 4U
Front or Rear I/O



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