

ROC335A

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in, Wide Temp. -20 to 70°C (-40 to 70°C optional)



Main Features

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 5 x COM ports
- 4 x USB 3.0, 4 x USB 2.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in
- Wide temperature -20 to 70°C (-40 to 70°C optional)

Specifications

System

CPU Type	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988)
Chipset	Intel® QM77
Memory Type	2 x 204-pin SO-DIMM DDR3 1333/1600 up to 16 GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Storage	1 x 2.5" SATA HDD/SSD 1 x CF-SATA socket

Front I/O

USB	4 x USB 2.0
COM	4 x RS232
Power Button	Yes
Power LED	Yes
HDD LED	Yes
Audio	Mic-in, Line-out

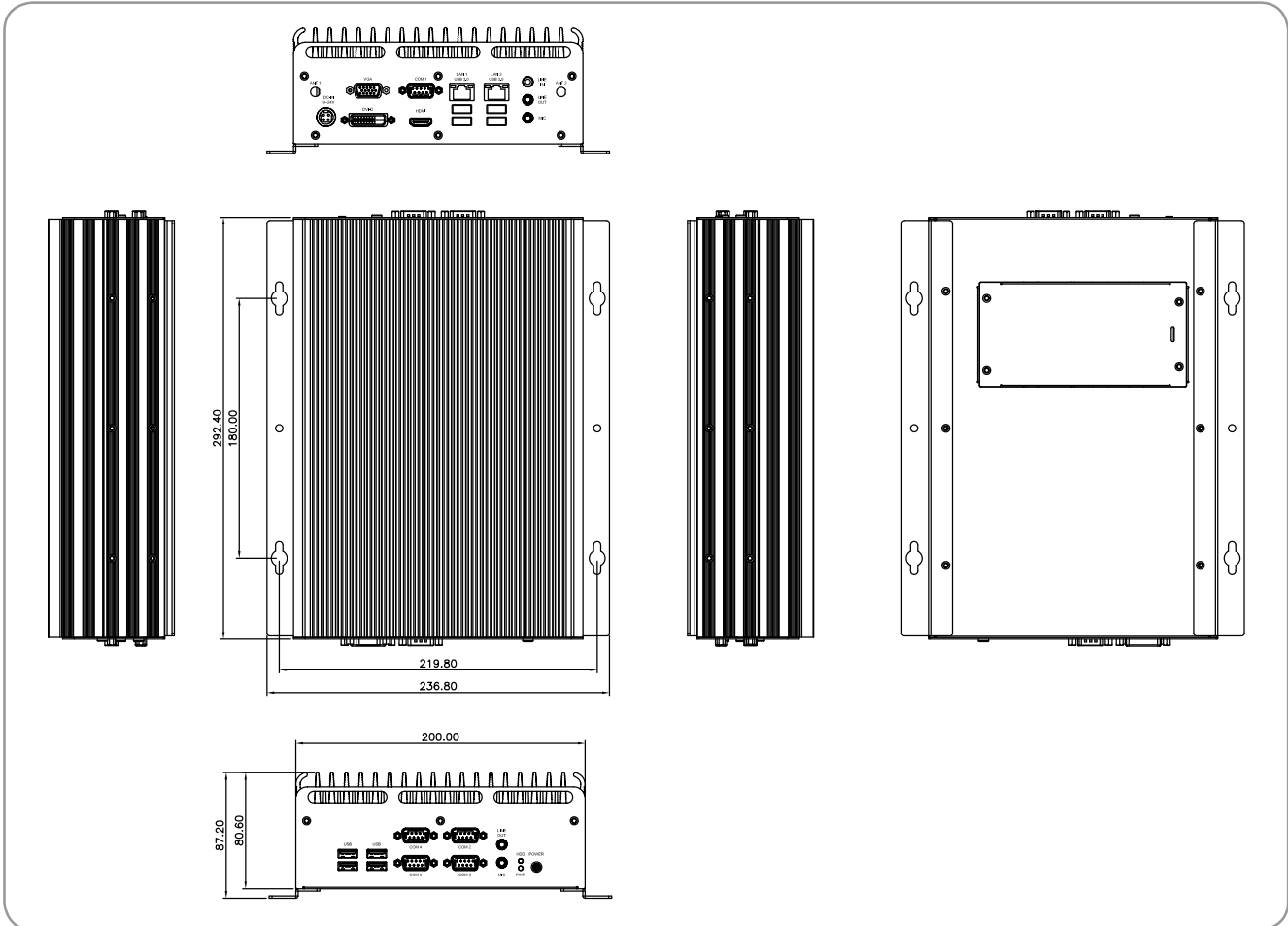
Rear I/O

VGA	1
DVI-D	1
HDMI	1
Ethernet	2 x RJ45
USB	4 x USB 3.0
Audio	Mic-in, Line-in, Line-out
COM	1 x RS232/422/485
Antenna	Reserved two antenna holes
DC-Jack	1

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	237 x 88 x 293 mm (9.3" x 3.5" x 11.5")
Operating Temp.	-20 to 70°C (ambient with air flow)
Storage Temp.	-40 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- ROC335A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

19V, 120W, AC/DC power adapter w/o power cord



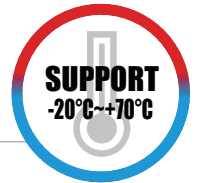
Ordering Information

Modules

Model Number	Description
ROC335A-ET	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988), Wide Temp. Fanless Rugged System, 9V to 24V DC-in (-20 to 70°C)
ROC335A-UT	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988), Wide Temp. Fanless Rugged System, 9V to 24V DC-in (-40 to 70°C)

ROC316A

Intel® Atom™ N2800 Fanless Rugged System, 9V to 30V DC-in, Wide Temp. -20 to 70°C (-40 to 70°C optional)



Main Features

- Supports Intel® Atom N2800 (1.86 GHz)
- 1 x 204-pin SO-DIMM DDR3 800/1066 up to 2 GB
- Supports 2.5" SATA HDD/SSD & CFast socket
- 5 x COM ports
- Dual GbE LAN ports
- 9V to 30V DC-in
- Wide temperature -20 to 70°C (-40 to 70°C optional)
- Ultra slim design (H: 51.0 mm)

Specifications

System

CPU Type	Intel® Atom™ N2800 1.86 GHz
Chipset	Intel® NM10
Memory Type	1 x 204-pin SO-DIMM DDR3 800/1066 up to 2 GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Ethernet	2 x RTL8111E GbE LAN
Storage	1 x 2.5" SATA HDD/SSD drive bay 1 x external CFast socket

Front I/O

USB	4
COM	4 x RS232 COM2~4 with 5V/12V selectable
Power Button	Yes
Power LED	Yes
HDD LED	Yes
Audio	Mic-in, Line-out

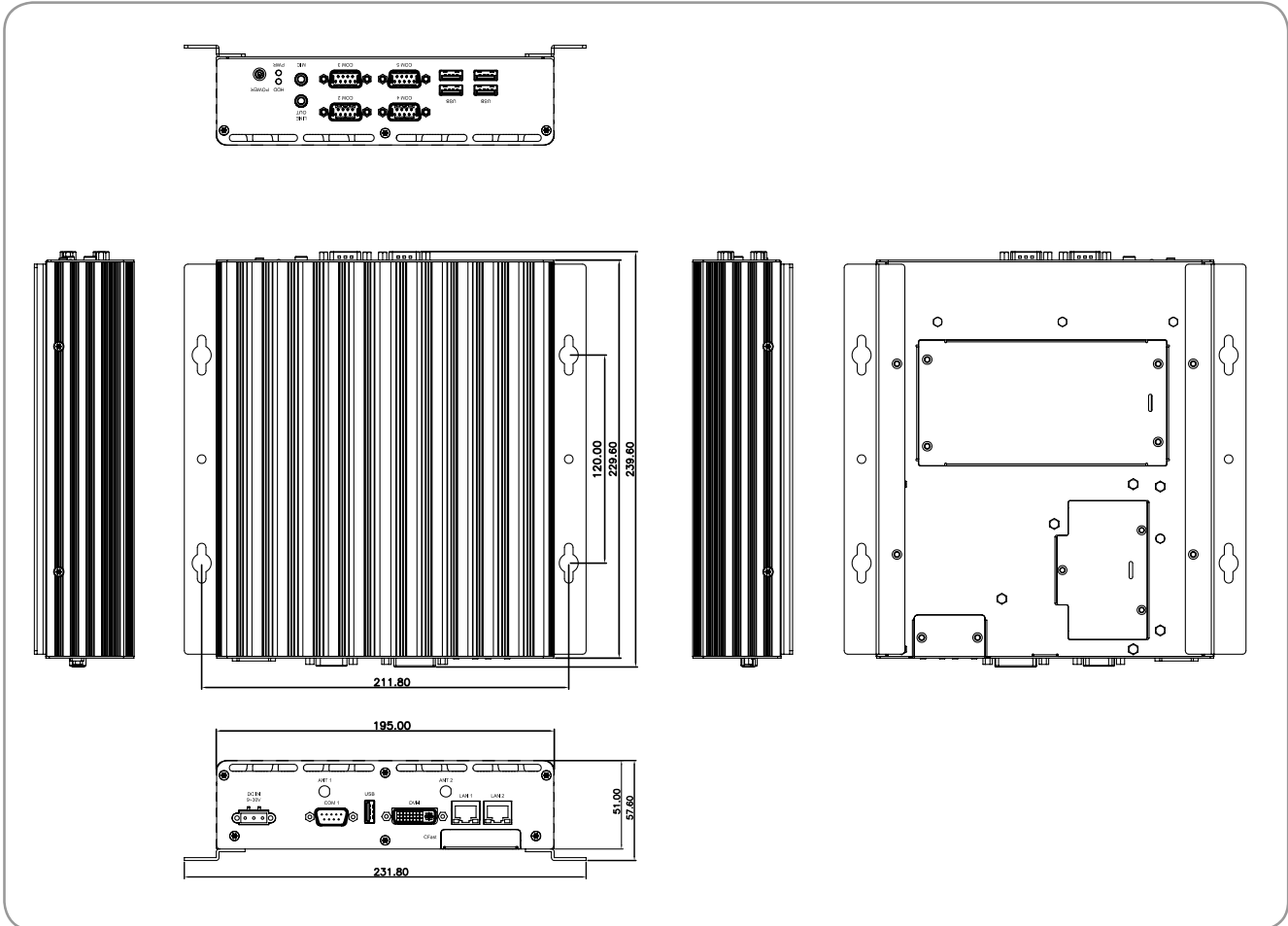
Rear I/O

DVI-I	1
Ethernet	2 x RJ45
USB	1
COM	1 x RS232/422/485 with 5V/12V selectable
Antenna	Reserved two antenna holes
Power Input	9V to 30V DC-in (By terminal block)
CFast Socket	1

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirements	9V to 30V DC-in
Dimension (W x H x D)	195 x 51 x 230 mm (7.7" x 2" x 9")
Operating Temp.	-20 to 70°C (ambient with air flow)
Storage Temp.	-40 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- ROC316A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

12V, 60W, AC/DC power adapter w/o power cord



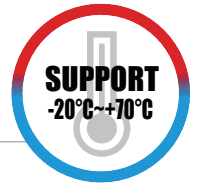
Ordering Information

Modules

Model Number	Description
ROC316A-ET	Fanless Rugged System with Intel® Atom™ N2800 CPU, DVI-I, Dual GbE LAN, Audio, 5 x COM, 5 x USB, and 9V~30V DC-in (-20 to 70°C)
ROC316A-UT	Fanless Rugged System with Intel® Atom™ N2800 CPU, DVI-I, Dual GbE LAN, Audio, 5 x COM, 5 x USB, and 9V~30V DC-in (-40 to 70°C, optional)

ROC315B

Intel® Atom™ N455 Fanless Rugged System, 9V to 30V DC-in, Wide Temp. -20 to 70°C (-40 to 70°C optional)



Main Features

- Supports Intel® Atom N455 (1.66 GHz)
- 1 x 204 pin SO-DIMM DDR3 800 up to 2 GB
- Supports 2.5" SATA HDD/SSD & CF card
- 5 x COM ports
- Dual GbE LAN ports
- 9V to 30V DC-in
- Wide temperature -20 to 70°C (-40 to 70°C optional)
- Ultra slim design (H: 51.0 mm)

Specifications

System

CPU Type	Intel® Atom™ N455 1.66 GHz
Chipset	Intel® ICH8M
Memory Type	1 x 204-pin SO-DIMM DDR3 800 MHz up to 2 GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Ethernet	2 x RTL8111DL GbE LAN
Storage	1 x 2.5" SATA HDD/SSD drive bay 1 x external CF socket

Front I/O

USB	4
COM	4 x RS232 COM2~4 with 5V/12V selectable
Power Button	Yes
Power LED	Yes
HDD LED	Yes
Audio	Mic-in, Line-out

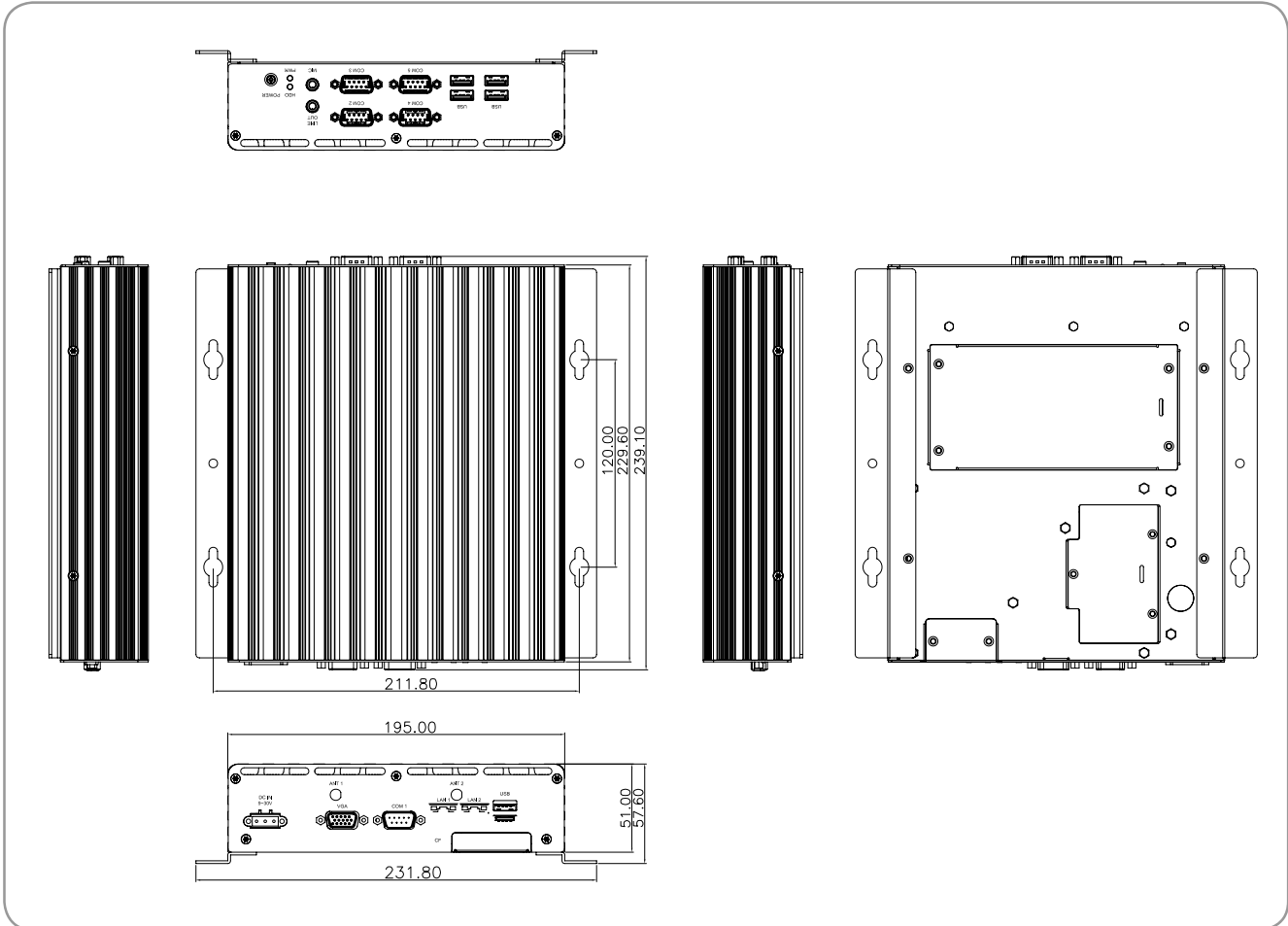
Rear I/O

VGA	1
Ethernet	2 x RJ45
USB	2
COM	1 x RS232/422/485 with 5V/12V selectable
Antenna	Reserved two antenna holes
Power Input	9V to 30V DC-in (By terminal block)
CF Socket	1

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirements	9V to 30V DC-in
Dimension (W x H x D)	195 x 51 x 230 mm (7.7" x 2" x 9")
Operating Temp.	-20 to 70°C (ambient with air flow)
Storage Temp.	-40 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- ROC315B Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

12V, 60W, AC/DC power adapter w/o power cord



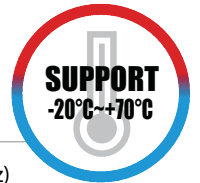
Ordering Information

Modules

Model Number	Description
ROC315B-ET	Fanless Rugged System with Intel® Atom™ N455 CPU, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB, and 9V~30V DC-in (-20 to 70°C)
ROC315B-UT	Rock Box, Fanless Rugged System with Intel® Atom™ N455 CPU onboard, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB, and 9V~30V DC-in (-40 to 70°C, optional)

ROC114A

Intel® Tunnel Creek E660T, Wide Temp. Fanless Rugged System with CAN Bus, Wide Temp. -20 to 70°C (-40 to 70°C optional)



Main Features

- Supports Intel® E660T (Tunnel Creek, 1.30 GHz)
- 1GB DDR2 667/800MHz Memory IC onboard
- Supports CF card
- 2 x COM ports
- 1 x CAN BUS port (DB-9 male)
- Dual Intel® GbE LAN ports
- 12V DC-in (lockable)
- Wide temperature -20 to 70°C (-40 to 70°C optional)
- Ultra Slim Design (H: 40 mm)

Specifications

System

CPU Type	Intel® Atom™ E660T 1.3 GHz
Chipset	Intel® EG20T
Memory Type	1GB DDR2 667/800 MHz memory IC onboard
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot (half-size)
Ethernet	2 x Intel® 82574IT GbE LAN
Storage	1 x CF socket

Front I/O

USB	2
COM	1 x RS232/422/485 with 5V/12V selection
Ethernet	2 x RJ45
CAN Bus	1 x CAN Bus port (DB-9 male)
VGA	1
Power Button	Yes
Power LED	Yes
HDD LED	Yes

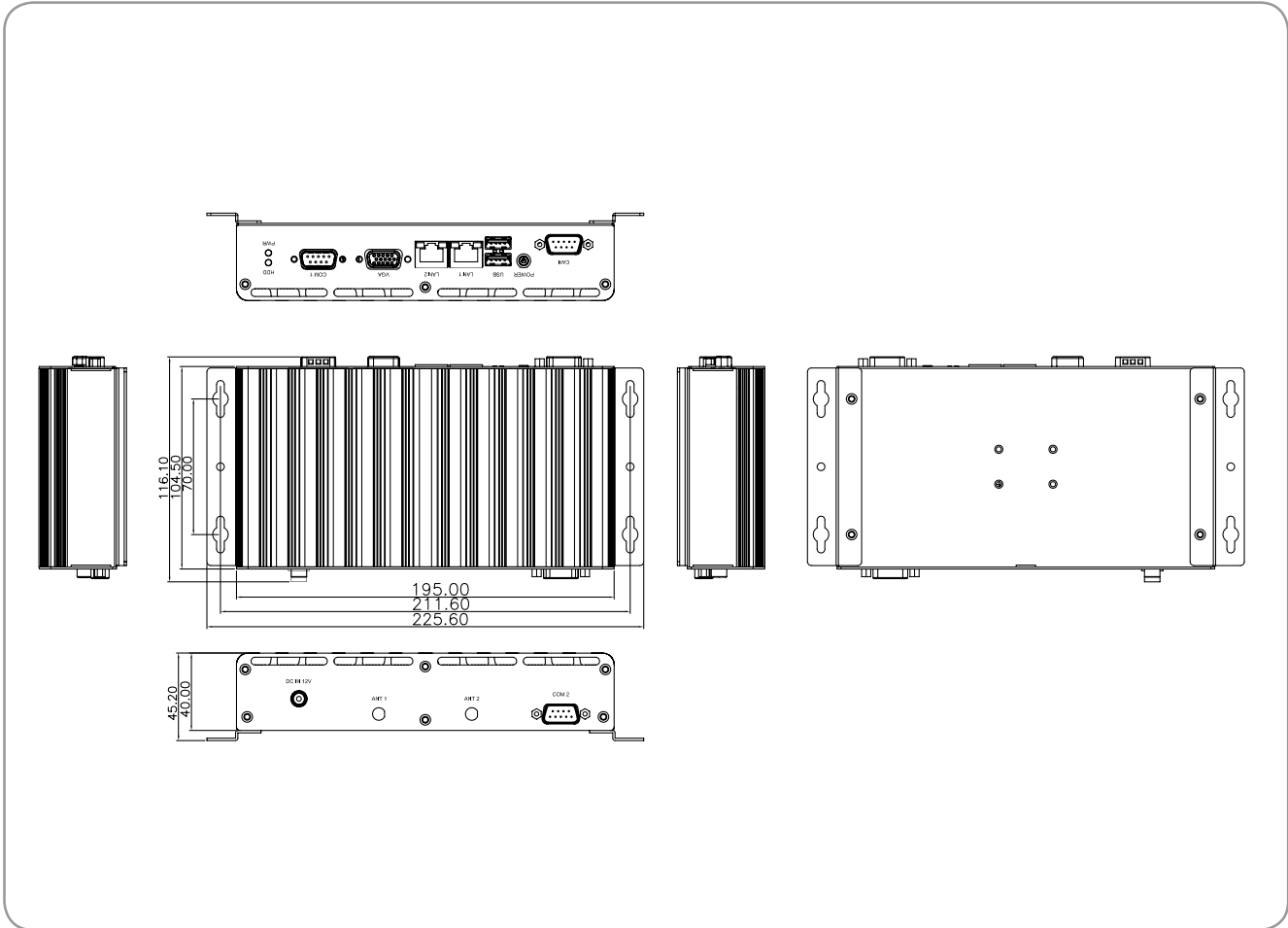
Rear I/O

COM	1 x RS232
Antenna	Reserved two antenna holes
Power Input	12V DC-in

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirements	12V DC-in (lockable)
Dimension (W x H x D)	105 x 40 x 195 mm (4.13" x 1.57" x 7.7")
Operating Temp.	-20 to 70°C (ambient with air flow)
Storage Temp.	-40 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- ROC114A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

12V, 60W, AC/DC power adapter w/o power cord

Mounting Kit

DIN Rail Bracket



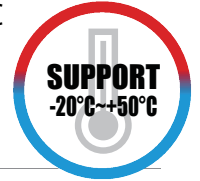
Ordering Information

Modules

Model Number	Description
ROC114A-ET	Fanless Rugged System with Intel® Atom™ E660T CPU onboard, VGA, Dual GbE LAN, 2 x COM, 1 x CAN Bus, 2 x USB, and 12V DC-in (-20 to 70°C)
ROC114A-UT	Fanless Rugged System with Intel® Atom™ E660T CPU onboard, VGA, Dual GbE LAN, 2 x COM, 1 x CAN Bus, 2 x USB, and 12V DC-in (-40 to 70°C, optional)

PER35A

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in, Wide Temp. -20 to 50°C



Main Features

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 5 x COM ports
- 4 x USB 3.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in

Specifications

System

CPU	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988)
Chipset	Intel® QM77
Memory	2 x 204-pin SO-DIMM DDR3 1333/1600 MHz up to 16 GB
Expansion Slot	1 x Mini-PCIe1
Storage Device	1 x 2.5" SATA HDD/SSD 1 x CFast socket

Front I/O

Power Button	Yes
Power LED	Yes
HDD LED	Yes

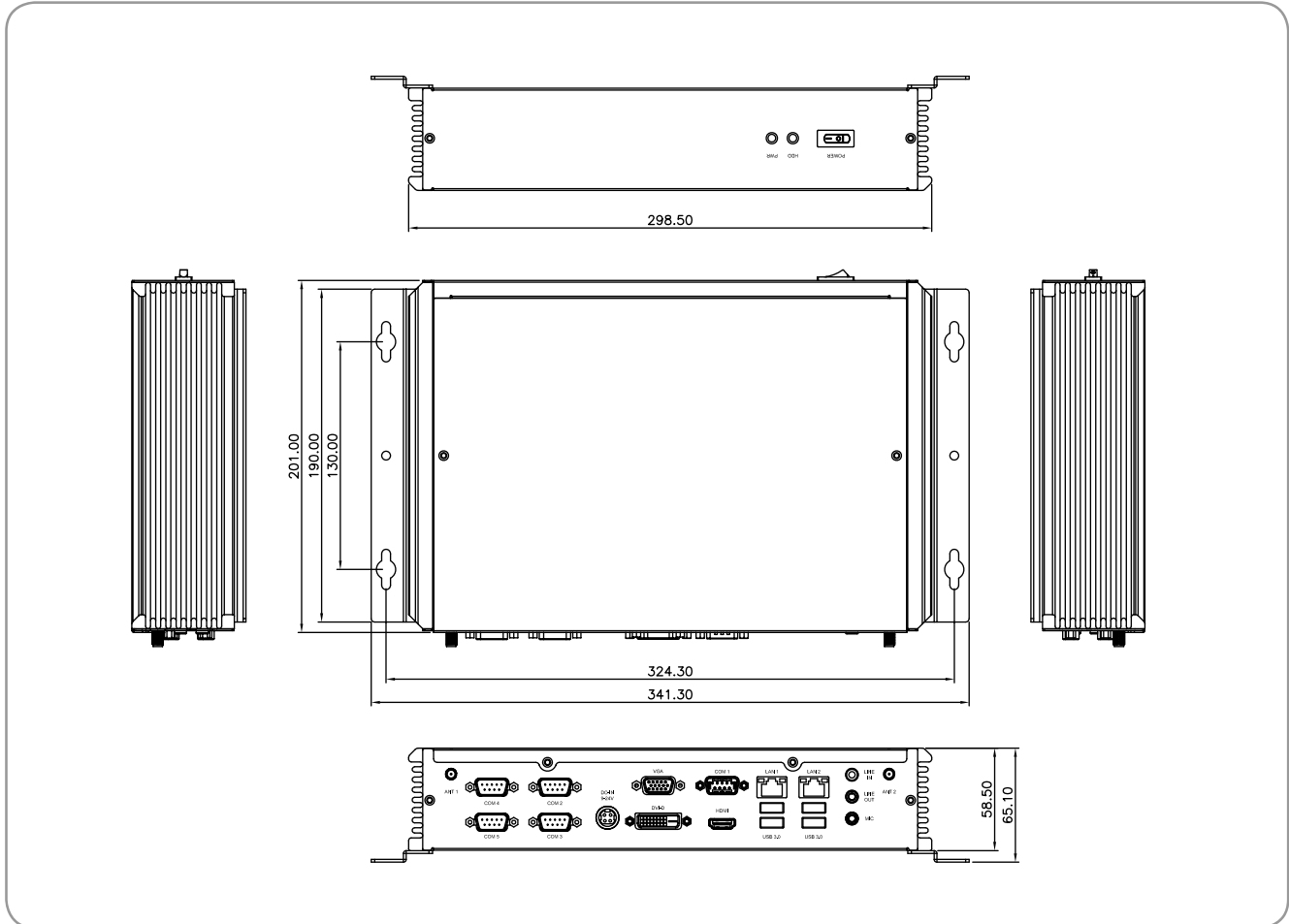
Rear I/O

VGA	1
DVI-D	1
HDMI	1
Ethernet	2 x RJ45
Audio	Mic-in, Line-in, Line-out
COM	1 x RS232/422/485 4 x RS232
USB	4 x USB 3.0
Antenna	Reserved two antenna holes
DC-Jack	1

Mechanical & Environment

Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	299 x 59 x 201 mm (11.77" x 2.3" x 7.91")
Operating Temp.	-20 to 50°C (Ambient with air flow)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- PER35A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

19V, 120W AC/DC power adapter w/o power cord



Ordering Information

Modules

Model Number	Description
PER35A-ET	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in (-20 to 55°C)
PER35A-UT	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in (-40 to 55°C)

PER33A

Intel® Core™ i7/ i5 Fanless Rugged System with Intel® QM57 Chipset, 9V to 30V DC-in



Main Features

- Supports Intel® Core™ i7/ i5 socket processor
- Mobile Intel® QM57 PCH
- Dual Intel® GbE LAN ports
- Dual VGA or VGA/DVI independent display
- 3 x RS232 and 1 x RS232/ 422/ 485
- 8-bit DIO (4 in/4 out)
- 1x PCI, 1x PCIe expansion slots
- DC/DC power design supports 9V to 30V DC power input

Specifications

System

CPU	Intel® Core™ i7-620M PGA Processor (2.66 GHz, 4M) Intel® Core™ i5-520M PGA Processor (2.4 GHz, 3M) Intel® P4500 PGA Processor (1.86 GHz, 2M)
Chipset	Optional Intel® QM57
Memory	2 x 240-pin memory DIMM, up to 4 GB DDR3 800/1066 MHz SDRAM, unbuffered and non-ECC
Expansion Slot	1 x PCI 1 x PCIe
Storage Device	2 x 2.5" HDD driver bay

Front I/O

USB Port	2 x USB 2.0 1 x lockable USB 2.0
eSATA	2
ATX Power Switch	Yes
Power LED	Yes
HDD LED	Yes

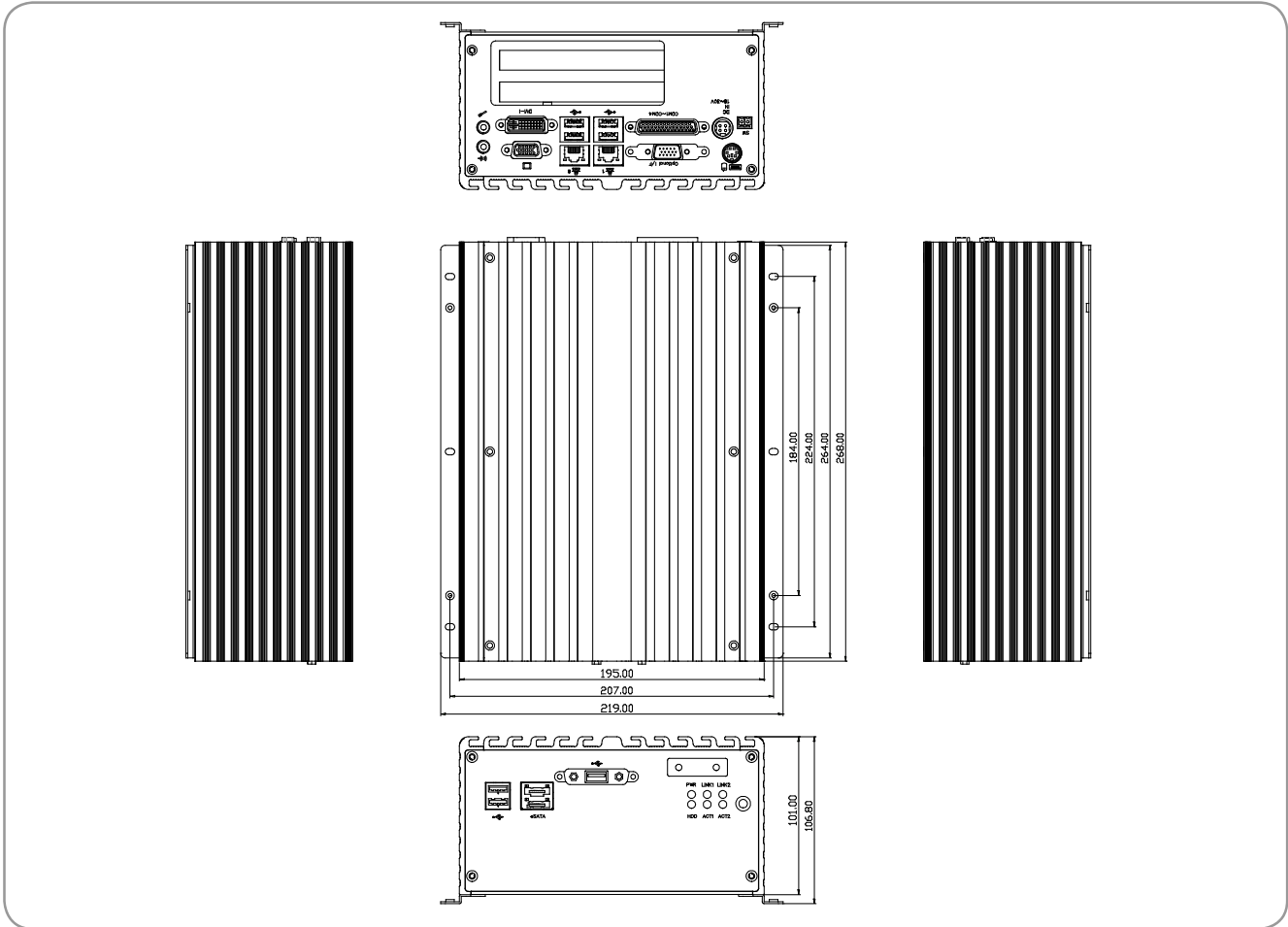
Rear I/O

VGA	1
DVI-I	1
COM	1 x DB44 Serial Port for 4 x RS232 *COM2: RS232/422/485
USB	4 x USB 2.0
Ethernet	2 x RJ45
Power Switch	2-pin remote power on/off switch
Power Input	9~30V DC-in
DIO	1 x DB15 male connector for GPIO *4 x digital-input *4 x digital-output
Keyboard/Mouse	1 x PS/2

Mechanical & Environment

Power Requirement	9V to 30V DC-in
Dimension (W x H x D)	195 x 101 x 268 mm (7.7" x 10.5" x 3.98")
Operating Temp.	-5 to 50°C (Ambient with air flow)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- PER33A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

19V, 120W AC/DC power adapter w/o power cord



Ordering Information

Modules

Model Number	Description
PER33A	Intel® Core™ i7/ i5 Fanless Rugged System with VGA, DVI-I, eSATA, and two expansion slots

PER21A

Intel® Cedarview D2550 Fanless Rugged System, 9V to 36V DC-in



Main Features

- Supports Intel® Atom™ D2550 Dual Core™ 1.86 GHz
- 1 x DDR3 SO-DIMM up to 4 GB
- Dual Intel® GbE LAN ports
- 6 x USB 2.0 ports
- 4 x COM ports (2 x RS232, 2 x RS232/422/485)
- 1 x external CFast socket
- 1 x Mini PCIe
- Supports 9V to 36V DC-in

Specifications

System

CPU	Intel® Atom™ D2550 Dual Core™ 1.86 GHz
Chipset	Intel® NM10
Memory	1 x 204-pin SO-DIMM DDR3 800/1066 MHz up to 4 GB
Expansion Slot	1 x Mini-PCIe1
Storage Device	1 x 2.5" SATA HDD/SSD 1 x external CFast socket

Front I/O

COM	2 x RS232 2 x RS232/422/485
Audio	Speaker-out, Mic-in
USB	2 x USB 2.0
Antenna	Reserved two antenna holes
Power Button	1

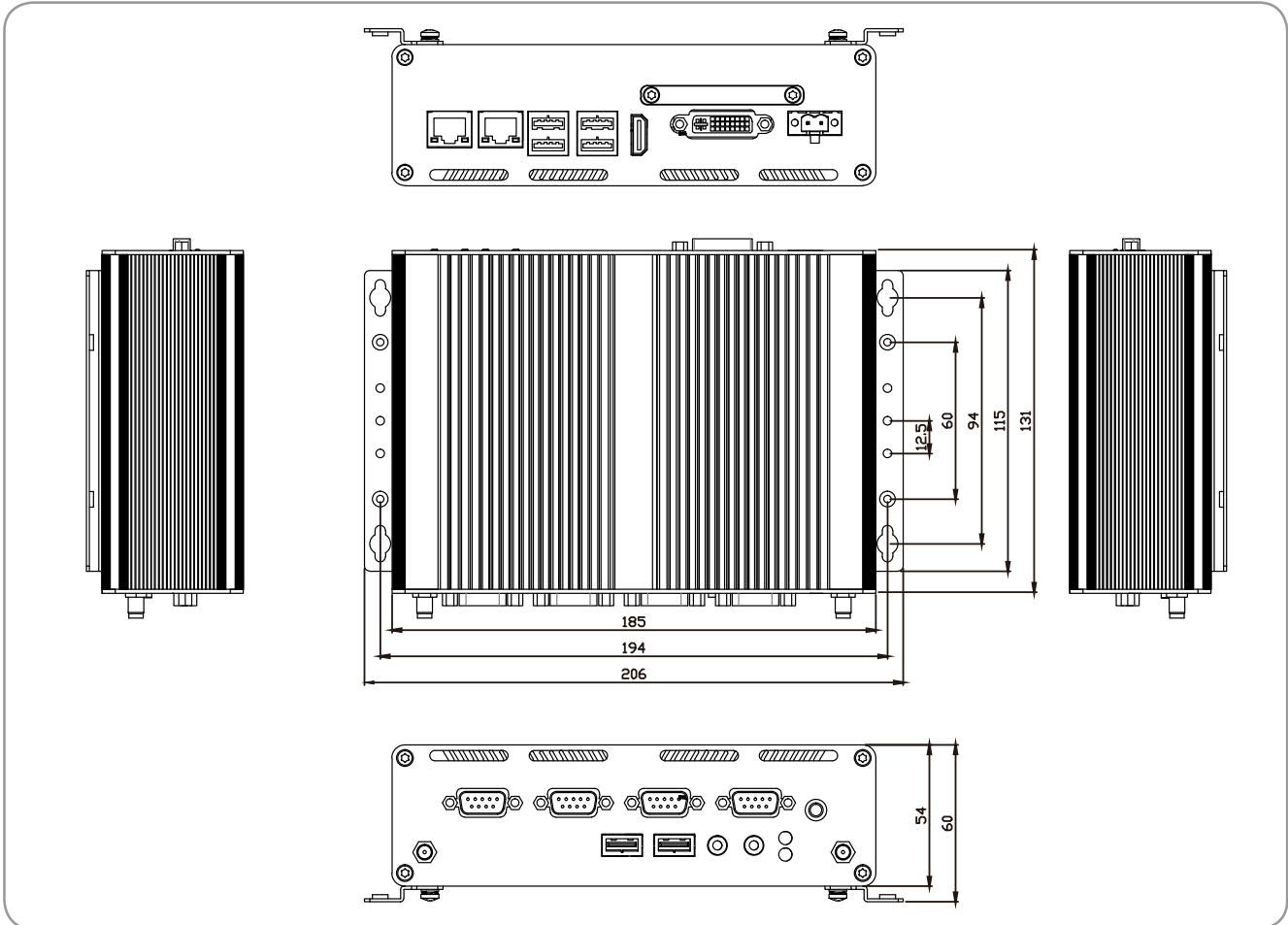
Rear I/O

HDMI	1
DVI-I	1
CFast Socket	1
Ethernet	2 x RJ45
USB	4 x USB 2.0
Power Input	9V to 36V DC-in

Mechanical & Environment

Power Requirement	9V to 36V DC-in
Dimension (W x H x D)	185 x 131 x 54 mm (7.28" x 5.2" x 2.13")
Operating Temp.	-5 to 50°C (Ambient with air flow)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- PER21A Fanless Rugged System
- DVI-I Cable
- Driver CD

Optional Accessories

Power Adapter

12V, 60W AC/DC power adapter w/o power cord



Ordering Information

Modules

Model Number	Description
PER21A	Fanless Rugged System with Intel® Atom™ D2550 CPU, DVI-I, HDMI, Dual Intel® GbE LAN, Audio, 4 x COM, 6x USB, and 9V to 36V DC-in

PER13A

Intel® Atom™ D525, Wide Temp. Fanless Rugged System, 9V to 30V DC-in



Main Features

- Supports Intel® Atom™ D525 Dual Core™ 1.8 GHz
- 1 x DDR3 SO-DIMM up to 2 GB memory
- Dual Intel® GbE LAN ports
- 5 x USB 2.0 ports
- 6 x COM ports (4 x RS-232; 2 x RS-232/422/485)
- 1 x DB15 GPIO connector
- 1 x external CF socket and one external SIM card holder
- 1 x PCI expansion slot; 1 x Mini PCIe
- Supports 9V to 36V DC-in

Specifications

System

CPU	Intel® Atom™ D525 Dual Core™ 1.8 GHz
Chipset	Intel® ICH8M
Memory	1 x 204-pin SO-DIMM, DDR3 800 MHz non-ECC, up to 2 GB
Expansion Slot	1 x PCI 1 x Mini-PCIe socket
Storage Device	1 x 2.5" SATA HDD/SSD drive bay 1 x External CF socket

Front I/O

COM	2 x RS-232
USB	2 x USB 2.0 1 x lockable USB
DIO	1 x DB15 GPIO connector
Power Status LEDs	Yes
Antenna	Reserved two antenna holes
External SIM Card Holder	1
CF Socket	1

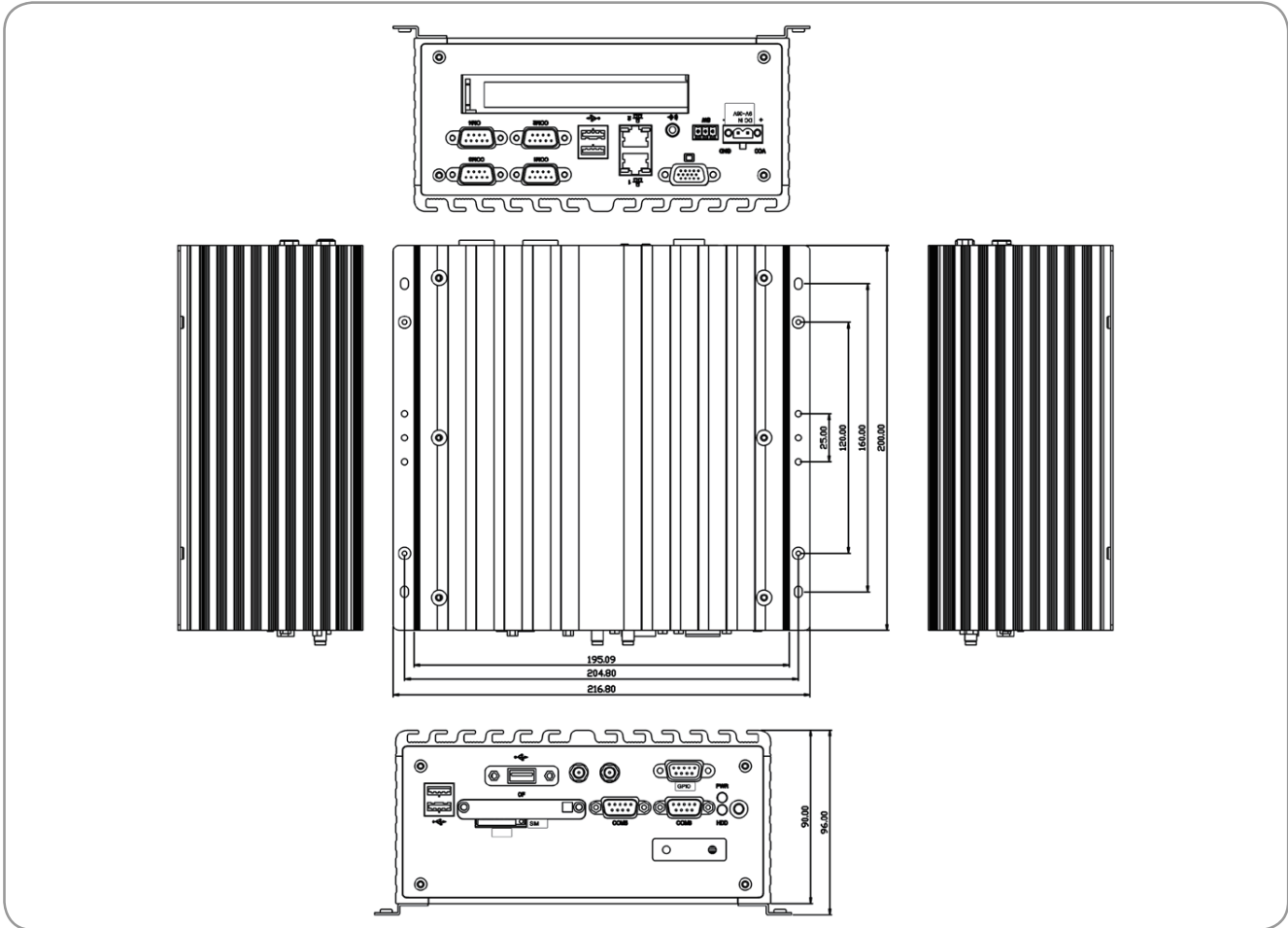
Rear I/O

USB	2
VGA	1
Ethernet	2 x RJ45
COM	4 2 x RS-232 2 x RS-232/422/485 with auto-flow control, isolation protection on COM1 and COM2
Power Switch	1 x 3-pin for remote power on/off switch
Power Input	9V to 36V DC-in
Audio	1 x Speaker-out

Mechanical & Environment

Power Requirement	9V to 30V DC-in
Dimension (W x H x D)	195 x 90 x 200 mm (7.7" x 3.5" x 7.9")
Operating Temp.	-20 to 70°C (with industrial grade devices)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- PER13A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

9V, 65W AC/DC power adapter w/o power cord



Ordering Information

Modules

Model Number	Description
PER13A	Intel® Atom™ D525 1.8 GHz Fanless Rugged System with DDR3 SO-DIMM socket, and one PCI expansion

PER13C

Intel® Atom™ D525 Fanless Rugged System, 12V DC-in



Main Features

- Supports Intel® Atom™ D525 Dual Core™ 1.8 GHz
- Supports 1 x 2.5" SATA HDD and SSD
- 5 x COM ports with 5/12V selectable
- Dual GbE LAN ports
- 1 x VGA port
- 1 x Parallel port (DB25 female)
- DC 12V in/out
- 1 x RJ11
- 1 x Mini PCIe

Specifications

System

CPU	Intel® Atom™ D525 Dual Core™ 1.8 GHz
Chipset	Intel® ICH8M
Memory	1 x 204-pin SO-DIMM DDR3 800 MHz up to 4 GB
Expansion Slot	1 x Mini PCIe slot
Storage Device	1 x 2.5" SATA HDD/SSD drive bay

Front I/O

USB Port	1
Power Button	Yes
Power LED	Yes
HDD LED	Yes

Rear I/O

VGA	1
COM	5 x RS232 with 5/12V selectable
USB	4
Ethernet	2 x RJ45
DC-Jack Connector	DC Output: 1 x 12V DC Jack 2.5 mm
Parallel	1 (DB25 female)
Cash Drawer	1 x RJ11(12V)
Keyboard/Mouse	1 x PS/2
Audio	Mic-in, Line-out
WLAN Antenna	Reserved 1 antenna hole

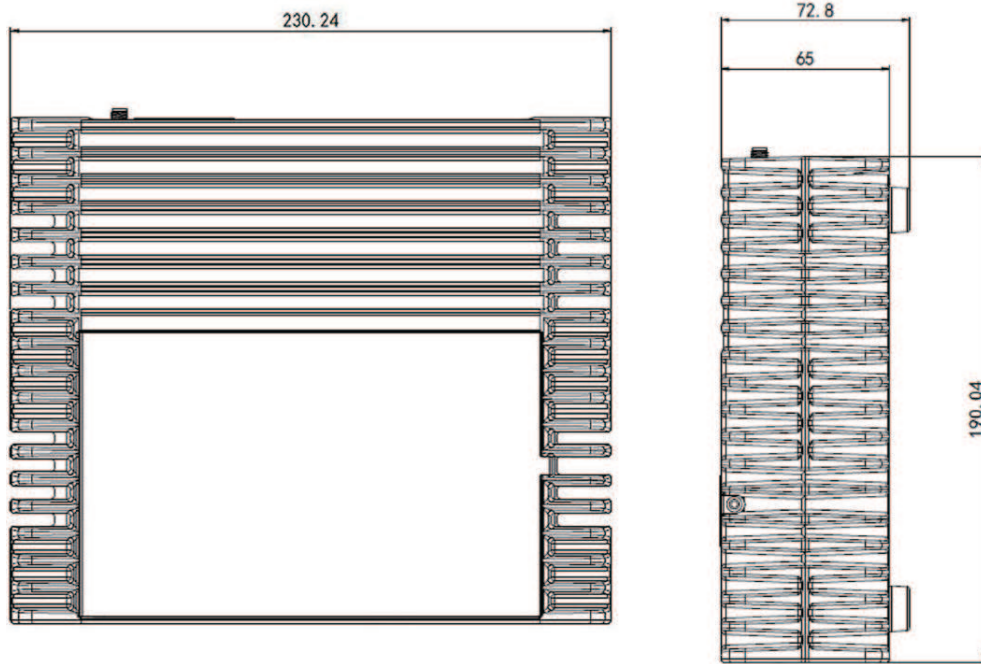
Power Supply

DC Output	12V, 5A
AC Input	100-240V, 1.5A, 50-60 Hz

Mechanical & Environment

Power Requirement	12V DC-in
Dimension (W x H x D)	190 x 65 x 230 mm (7.48" x 2.56" x 9")
Operating Temp.	0 to 50°C
Storage Temp.	-10 to 55°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- PER13C Fanless Embedded System
- Power adapter
- Driver CD



Ordering Information

Modules

Model Number	Description
PER13C	Intel® Atom™ D525 1.8 GHz Fanless Rugged System with DDR3 SD-DIMM, VGA, Dual GbE LAN, 5 x COM ports, 5 x USB, LPT, RJ11, DC 12V in/out

REA135A

Intel® QM77 Embedded System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V



Main Features

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 6x COM ports
- Triple Displays (HDMI/DVI/VGA)
- 4 In/ Out DIO
- 1x LPT
- 1x Mini PCI_e
- 4 x USB 3.0
- Dual GbE LAN ports
- 9Vto24V DC-in

Specifications

System

CPU	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988)
Chipset	Intel® QM77
Memory	2 x 204-pin SO-DIMM DDR3 1333/1600 MHz up to 16 GB
Expansion Slot	1 x Mini-PCIe
Storage Device	1 x 2.5" SATA HDD/SSD
CFast	1 x CFast socket

Front I/O

COM	4 x RS232
Power Button	Yes
Power LED	Yes
HDD LED	Yes

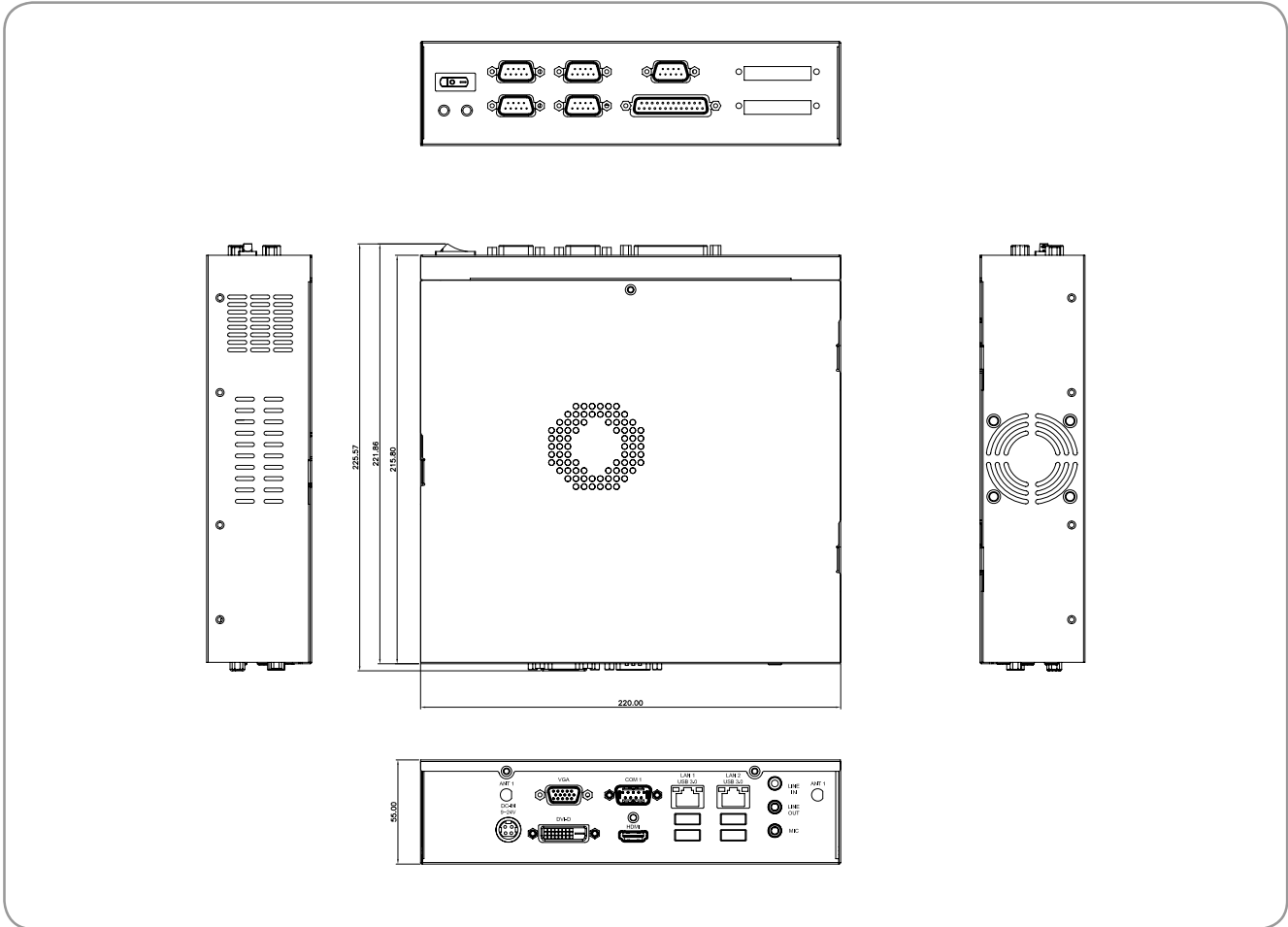
Rear I/O

VGA	1
DVI-D	1
HDMI	1
Ethernet	2 x RJ45
Audio	Mic-in, Line-in, Line-out
COM	1 x RS232/422/485
USB	4 x USB 3.0
Antenna	Reserved two antenna holes
DC-Jack	1

Mechanical & Environment

Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	220 x 55 x 216 mm (8.7" x 2.2" x 8.5")
Operating Temp.	-20 to 60°C
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

Dimensions



Packing list

- REA135A Fanless Embedded System
- Driver CD

Optional Accessories

Power Adapter

19V, 120W AC/DC power adapter w/o power cord

Mounting Kit

Wall mount kit

Ordering Information

Modules

Model Number	Description
REA135A	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988), Embedded System, 9V to 24V



REA113A

Intel® Atom™ D525, Embedded System, 12V DC-in



Main Features

- Supports Intel® Pineview D525 Dual Core™ 1.8 GHz
- 1 x DDR3 SO-DIMM up to 4 GB memory
- Dual GbE LAN ports
- 5 x COM ports with 5V/12V selectable
- 1 x VGA
- 1 x Parallel port
- 1 x Cash Drawer
- 12V DC-in

Specifications

System

CPU	Intel® Pineview D525 Dual Core™ 1.8 GHz
Chipset	Intel® ICH8M
Memory	1 x 204-pin SO-DIMM, DDR3 800 MHz up to 4 GB
Expansion Slot	1 x Mini-PCle
Storage Device	1 x 2.5" SATA HDD/SSD

Front I/O

COM	4 x RS232
Power Button	Yes
Power LED	Yes
HDD LED	Yes

Rear I/O

VGA	1
Ethernet	2 x RJ45
Audio	Mic-in, Line-out
COM	1 x RS232
USB	4 x USB 2.0
LPT	1
Cash Drawer	1 x RJ11
Antenna	Reserved two antenna hole
DC-Jack	1

Mechanical & Environment

Power Requirement	12V DC-in
Dimension (W x H x D)	220 x 55 x 216 mm (8.7" x 2.2" x 8.5")
Operating Temp.	0 to 60°C
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC