

M2I Control Edge

NEW



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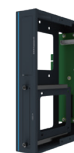
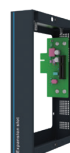
NEW



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| Model | UNO-127 | UNO-137 | UNO-148 | UNO-348 |
|---------------------------|---|--|--|--|
| Certification | CE, FCC, UL, CCC, BSMI | CE, FCC, UL, CCC, BSMI | CE, FCC, UL, CCC, BSMI | CE, FCC, UL, CCC, BSMI |
| CPU | Intel® Atom® Quad core x6413E, 1.5 GHz | Intel® Atom® E3940, 1.6 GHz | Intel® Core™ i7-1185G7E Quad-core, 1.8 GHz, Intel® Core™ i5-1145G7E Quad-core, 1.5 GHz, Intel® Core™ i3-1115G4E Dual-core, 2.2 GHz | Intel® Core™ i5-10500TE, 2.3 GHz, 6 cores Intel® Core™ i9-10900TE, 1.8 GHz, 10 cores |
| Onboard RAM | Built-in 4/8 GB DDR4 | Built-in 8 GB DDR3L | Built-in 8 GB DDR4 | Built-in 8/16 GB DDR4L, up to 64 GB |
| Display | 1 x HDMI | 2 x DP | 2 x DP | 1 x DP, 1 x HDMI |
| I/O | 2 x USB, 2 x GbE | 2 x isolated RS232/422/485, 2 x GbE, 4 x USB, 8 x DI, 8 x DO | 4 x isolated RS-232/422/485, 3 x GbE, 4 x USB, 8 x DI, 8 x DO | 2 x RS-232/422/485, 1 x RS-232, 3 x GbE, 6 x USB |
| PCIe/PCI Expansion | 1 x Full size mPCIe/ mSATA | 1 x Full-size mPCIe 1 x M.2 B key (SATA/USB 3.0) | 1 x Full size mPCIe, 1 x M.2 E key (PCIe), 1 x M.2 B key (SATA/USB 3.0) | 1 x Full-size mPCIe; UNO-348-AXX1A: 1 x PCIe16; UNO-348-AXX3A: 1 x PCIe16, 2 x PCI |
| Storage | 64G eMMC | 1 x 2.5" HDD/SDD bay | 1 x M.2 M key (PCIe x 4) | 2 x 2.5" HDD/SDD bay, 1 x M.2 B key (SATA/USB 3.0) |
| SIM Card Slot | – | 1 (nano) | 1 (nano) | 1 (nano) |
| Default OS | – | – | – | – |
| Operating Systems | Win10, Win10 LTSC, Ubuntu Core 20, Ubuntu 20.04, AdvLinux | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, AdvLinux |
| TPM | TPM 2.0 onboard | TPM 2.0 onboard | TPM 2.0 onboard | TPM 2.0 onboard |
| Mounting | DIN rail | DIN rail | DIN rail | Wall mount, Stand mount |
| Power Input Range | 10 ~ 30 V _{DC} | 10 ~ 36 V _{DC} | 10 ~ 36 V _{DC} | 10 ~ 36 V _{DC} |
| Operating Temperature | -20 ~ 60 °C | -40 ~ 70°C | -20 ~ 60 °C | -20 ~ 50°C |
| Power Consumption Typical | 18.5W | 21W | 31W | 59W |
| Dimensions (W x D x H) | 33.5 x 70 x 100mm (1.3 x 2.8 x 3.9 in) | 35 x 105 x 150 mm (1.4 x 4.1 x 5.9 in) | 35 x 140 x 200mm (1.4 x 5.5 x 7.8 in) | UNO-348-AXX1A: 200 x 140 x 120 mm (7.8 x 5.5 x 4.7 in) UNO-348-AXX3A: 200 x 140 x 160 mm (7.8 x 5.5 x 6.3 in) |
| Weight | 0.5 kg | 1 kg | 1 kg | 3.5 kg |



| | | | | |
|---------------|---|--|---|--|
| Expansion Kit | Second-stack extension kit to support 4 x COM + 1 x GbE on UNO-127 | Second-stack extension kit to support 1 x iDoor on UNO-137 | Second-stack extension kit to support 1 x iDoor slot + 1 x 2.5" SSD/HDD slot on UNO-148 | Second-stack extension kit to support 1 slot for PCIe x 4 on UNO-148 |
| Part Number | UNO-127-RS1EA | UNO-137-ID1EA | UNO-148-IS2EA | UNO-148-P11EA |
| Ports | 2 x RS-232/422/485, 2 x RS-232, 1 x GbE, 1 x M.2 B key (SATA/USB 3.0) | 1 x iDoor Slot (chassis only) | 1 x iDoor slot with 1 x mPCIe slot 1 x 2.5 SSD/HDD | 1 slot for PCIe x 4 |
| Dimensions | 30 x 70 x 100mm (1.18 x 2.8 x 3.9 in) | 35 x 105 x 150 mm (1.4 x 4.1 x 5.9 in) | 45 x 140 x 200 mm (1.7 x 5.5 x 7.8 in) | 45 x 140 x 200 mm (1.7 x 5.5 x 7.8 in) |
| Description | UNO-127 2nd stack extension kit for 4 x COM & 1 x LAN | UNO-137 2nd stack extension kit for iDoor | UNO-148 2nd stack extension kit for iDoor & SSD/HDD | UNO-148 2nd stack expansion kit for PCIe card |

✓ : supported, – : not supported, △ : optional

Industrial Computing Edge

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| Model | UNO-2271G V2 | UNO-2372G | UNO-2484G V2 |
|---------------------------|--|---|--|
| CPU | Intel® Celeron® Dual core N6210 1.2GHz Elkhart lake Intel® Celeron® Dual core N6415 1.2GHz Elkhart lake | Intel® Celeron J6412 2.0GHz Quad core Elkhart lake | Intel® Core™ i7-1185G7E 1.8GHz Tigerlake Qual Core Intel® Core™ i5-1145G7E 1.5GHz Tigerlake Qual Core Intel® Core™ i3-1115G4E 2.2GHz Tigerlake Dual Core Intel® Celeron® 6305E 1.8GHz dual core |
| Onboard RAM | 4GB/ 8GB DDR4 | 8 GB DDR4, up to 32 GB | 8 GB DDR4, up to 64 GB |
| Display | 1 x HDMI | 1 x DP++, 1 x HDMI1.4 | 1 x DP++, 1 x HDMI1.4 |
| Audio | - | Line out | Line out |
| I/O | 2 x USB 3.0 2 x GbE | 1 x USB 3.0 3 x USB 2.0 2 x GbE 4 x RS-232/422/485 | 3 x USB 3.2 Gen2 1 x USB 2.0 4 x GbE 4 x RS-232/422/485 |
| Hardware Security | TPM 2.0 | TPM 2.0 | TPM 2.0 |
| Expansion Slot | 1 x Full-size mPCIe/mSATA slot | 1 x M.2 B key slot (USB Signal for 3042/3052 LTE/5G Module, SATA Signal for 2242 storage) 1 x M.2 E key (PCIe x 1/ USB2.0 for Wifi Module) | 1 x M.2 B key slot (USB Signal for 3042/3052 LTE/5G Module, SATA Signal for storage) 1 x M.2 M key (PCIe x 4) |
| Onboard Storage | 32 GB eMMC | - | - |
| Storage Expansion | 1 x mSATA shared with mPCIe slot | 1 x mPCIe slot 1 x 2.5" HDD/SDD bay | 2 x mPCIe slot (PCIe, USB 2.0 Signal) 1 x 2.5" HDD/SDD bay |
| Antenna Hole | 2 x reserved antenna hole | 2 x reserved antenna hole | 4 x reserved antenna hole |
| Operating Systems | Win10, Win10 LTSC, Ubuntu Core 20, Ubuntu 20.04, AdvLinux | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, AdvLinux |
| Mounting | Stand, Wall (Optional VESA, DIN rail) | Stand, Wall (Optional VESA, DIN rail) | Stand, Wall (Optional VESA, DIN rail) |
| Operating Temperature | -20 ~ 60°C (-4 ~ 140°F) | -20 ~ 60°C (-4 ~ 140°F) | -20 ~ 60°C (-4 ~ 140°F) |
| Power Consumption Typical | 12 W | 18.4 W | 55 W |
| Power Input Range | 10 ~ 30 V _{DC} | 10 ~ 36 V _{DC} | 10 ~ 36 V _{DC} |
| Dimensions (W x D x H) | 100 x 70 x 30 mm (3.9" x 2.8" x 1.2") | 150 x 105 x 35 mm (5.8" x 4.2" x 1.4") | 200 x 140 x 40 mm (7.8" x 5.6" x 1.6") |
| Weight | 0.5 kg | 0.8 kg | 1.4 kg |



| Expansion Kit | UNO-2271G-EKBE | UNO-2271G-RP1EA | UNO-2271G-RS2EA | UNO-2372G-EKCE | UNO-2484G-EKCE |
|-----------------|--|--|--|--------------------------------------|--|
| Part Number | UNO-2271G-EKBE | UNO-2271G-RP1EA | UNO-2271G-RS2EA | UNO-2372G-EKCE | UNO-2484G-EKCE |
| I/O & Expansion | 1 x iDoor (Chassis only) | 2 x COM (RS-232/422/485) 1 x PoE+ (802.3at) (PD) 1 x M.2 B key (USB3.0/ SATA) | 2 x COM (RS-232/422/485) 1 x M.2 B key (USB3.0/ SATA) 1 x M.2 E key (PCIe) | 2 x iDoor (Chassis only) | 2 x iDoor (Chassis only) |
| Dimensions | 100 x 70 x 30 mm | 100 x 70 x 30 mm | 100 x 70 x 30 mm | 150 x 155 x 35 mm | 200 x 140 x 40 mm |
| Description | UNO-2271G V2 2nd stack extension kit for iDoor | UNO-2271G V2 2nd stack expansion module for support 2 x COM, 1 x PoE (PD), M.2 B Key | 2nd stack expansion module for support 2 x COM, 1 x M.2 B key, 1 x M.2 E key | UNO-2372G 2nd stack expansion module | UNO-2484G 2nd stack expansion module for 4 iDoor |

✓: supported, -: not supported, Δ: optional

- 1 IoT Software Solutions
- 2 Intelligent Systems
- 3 SKY Servers
- 4 AI & Advanced Computer Vision
- 5 Intelligent HMI and Monitors
- 6 Automation Computers
- 7 Intelligent Transportation Platforms
- 8 Mission Critical CompactPCI Platforms
- 9 Utility and Energy Solutions
- 10 EtherCAT Solutions and Automation Controllers
- 11 Intelligent Motion Control Solutions
- 12 High Speed DAQ Solutions
- 13 Industrial Communication
- 14 Intelligent Edge DAQ Devices
- 15 Remote I/O, Wireless I/O & Sensors
- 16 Serial Communication

IoT Gateway Edge

WISE-DeviceOn

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RaspberryPi

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RaspberryPi



| Model | UNO-247 | UNO-238 | UNO-220 Raspberry Pi 4 IoT Gateway Kit | |
|---------------------------|--|--|---|---|
| CPU | Intel® Celeron® J3455 1.5GHz | Intel® i7-8665UE Intel® i5-8365UE Intel® i3-8145UE | - | |
| Onboard RAM | - | - | - | |
| Display | 1 x HDMI 1 x VGA | 1 x HDMI 1 x DP | - | |
| I/O | 2 x USB 2.0 2 x USB 3.0 4 x RS-232 2 x RS485 2 x GbE | 2 x RS-232/422/485 2 x LAN 4 x USB 1 x 8-bit GPIO 1 x Line out | 4 x GPIO 1 x RS232/RS485 | 8 x GPIO 1 x RS232/RS485 |
| PCIe/PCI Expansion | 1 x Full size mPCIe slot 1 x M.2 E key | 1 x 3042 M.2 (B Key), 1 x 2230 M.2 (E Key) | - | |
| Storage | - | Built-in 32G eMMC | 8GB Micro SD card | |
| SIM Card Slot | 1 x Micro SIM card slot | 1 x Nano SIM card slot | - | |
| Operating Systems | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, AdvLinux | Linux (Raspbian) | |
| TPM | Supported by project | TPM 2.0 | - | TPM 2.0 |
| Mounting | Stand, Wall (Optional Din rail) | Stand, Wall (Optional Din rail) | Stand, Wall (Optional Din rail) | |
| Power Input Range | 12 V _{DC} (bundle 110-240V _{AC} adapter) | 12 V _{DC} (bundle 110-240V _{AC} adapter) | 5 V _{DC} Min 3A (USB Type C) | |
| Operating Temperature | -20 ~ 60°C/-4 ~ 140°F | -20 ~ 60°C/-4 ~ 140°F | 0 ~ 50°C (32~122°F) | |
| Power Consumption Typical | 17W | 31W | 15W | |
| Dimensions (W x D x H) | 200 x 140 x 50 mm (7.8" x 5.5" x 1.9") | 150 x 107 x 60 mm (5.91 x 4.22 x 2.36 in) | 100 x 70 x 32 mm (3.9" x 2.8" x 1.26") | 100 x 70 x 40 mm (3.9" x 2.8" x 1.57") |
| Weight | 1 kg | 1.8 kg | 0.5 kg | |

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Domain Specific Edge

NEW



WISE-EdgeLink



NEW



| Model | UNO-410 | UNO-420 | UNO-430 | UNO-430 EXP |
|---------------------------|---|--|--|--|
| Certification | C1D2, ATEX, CE, FCC, UL, CCC, BSMI | CE, FCC, UL, CCC, BSMI | CE, FCC, UL, CCC, BSMI | C1D2, ATEX, CE, FCC, UL, CCC, BSMI |
| Protection | IP40 | IP40 | IP69K, IP68 | IP66 |
| CPU | Intel® Atom® E3950 quad core, 1.6GHz | Intel® Atom® E3815, 1.46 GHz | Intel® Atom® E3950 quad core, 1.6GHz | Intel® Atom® E3950 quad core, 1.6GHz |
| Onboard RAM | Built-in 8GB DDR3L | Onboard 2GB DDR3L | Built-in 8GB DDR3L | Built-in 8GB DDR3L |
| Onboard Storage | – | 32GB eMMC | – | – |
| Hardware Security | Onboard TPM 2.0 | Onboard TPM 2.0 | Onboard TPM 2.0 | Onboard TPM 2.0 |
| Display | 2 x DP | 1 x HDMI | 1 x DP (internal maintenance interface) | 1 x DP (internal maintenance interface) |
| I/O | 2 x isolated RS-232/422/485 4 x USB3.1 Isolated 8DI/ 8DO 2 x GbE | 2 x RS-232/422/485 1 x RS-485 2 x GbE (1 x PoE-IN) 1 x USB3.0 | 2 x isolated RS-422/485 1 x RS-232 (console) 2 x GbE 2 x USB (internal maintenance interface) | 2 x isolated RS-422/485 1 x RS-232 (console) 2 x GbE 2 x USB (internal maintenance interface) |
| PCIe/PCI Expansion | 1 x Full-size mPCIe | 1 x Full-size mPCIe slot 1 x Half-size mPCIe slot | 1 x M.2 B key (USB3.0) 1 x M.2 E key (PCIe/USB2.0) | 1 x M.2 B key (USB3.0) 1 x M.2 E key (PCIe/USB2.0) |
| Storage | 1 x M.2 B key (SATA, USB3.0) 1 x 2.5" SSD bay | 1 x M.2 B-key (SATA) | 1 x M.2 B-key (SATA) | 1 x M.2 B-key (SATA) |
| SIM Card Slot | 1 (nano) | 1 (micro) | 1 (standard) | 1 (standard) |
| Operating Systems | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, Ubuntu Core 20, Ubuntu 20.04, AdvLinux | Win10, Win10 LTSC, AdvLinux | Win10, Win10 LTSC, AdvLinux |
| Mounting | Din rail | Wall mount | Wall mount | Wall mount |
| Power Input Range | 10 ~ 36 V _{DC} | 10 ~ 30 V _{DC} | 10 ~ 36 V _{DC} | 10 ~ 36 V _{DC} |
| Operating Temperature | -40 ~ 70°C (-40 ~ 158°F) | -20 ~ 60°C (-4 ~ 140°F) | -40 ~ 70°C (-40 ~ 158°F) | -40 ~ 70°C (-40 ~ 158°F) |
| Power Consumption Typical | 21W | 12W (typical) | 21W (typical) | 21W (typical) |
| Dimensions (W x D x H) | 70 x 105 x 150 mm (2.8 x 4.1 x 5.9in) | 125 x 125 x 50 mm (4.9 x 4.9 x 1.96in) | 200 x 68 x 200 mm (7.87 x 7.87 x 2.67in) | 200 x 68 x 200 mm (7.87 x 7.87 x 2.67in) |
| Weight | 1 kg | 1.5 kg | 3 kg | 3 kg |

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- 9 Utility and Energy Solutions
- 10 EtherCAT Solutions and Automation Controllers
- 11 Intelligent Motion Control Solutions
- 12 High Speed DAQ Solutions
- 13 Industrial Communication
- 14 Intelligent Edge DAQ Devices
- 15 Remote I/O, Wireless I/O & Sensors
- 16 Serial Communication