

MEGA-3110 Series

Arestech

High-Performance GPU Computer with Intel® 9th / 8th LGA1151 Processors



Features

- Supports 8th / 9th Intel® Core™-i LGA 1151 Processors
- Triple Display Supported by VGA, DVI and DisplayPort
- Dual DDR4 2400/2666 MHz SO-DIMM up to 64 GB
- 3 x Intel GbE Ports, Support Wake-on-LAN and PXE
- 2 x Removable 2.5" SATA HDD Bays and 2 x Internal 2.5" SATA HDD Bays Supporting RAID 0, 1, 5, 10
- -40 ~ 70°C Operating Temperature
- 2 x CFast / mSATA Sockets

Applications

- Edge Computing
- Traffic Vision
- Intelligent Control
- Deep Learning
- Artificial Intelligence
- Voice Recognition

→ Ordering Information

| Part No. | Description |
|-----------|---|
| MEGA-3112 | Intel® 9th/8th Gen. Core™ i LGA1151 CPU, Q370 Fanbased Box PC, 6x USB3.2 ,6x RS232/422/485, 3x GbE, 1xDP, 1x VGA, 1x DVI-D, 2x Flexible I/O Window Slots, 1 PCIeX8 Slot (4-lane), 1x PCIeX16 Slot, 2x Removable 2.5" SATA HDD Bays, 2 x Internal 2.5" SATA HDD Bays, Line Out, Mic In, DC 24~48V, Terminal Block Connector |
| MEGA-3113 | Intel® 9th/8th Gen. Core™ i LGA1151 CPU, Q370 Fanbased Box PC, 6x USB3.2, 6x RS232/422/485, 3x GbE, 1xDP, 1x VGA, 1x DVI-D, 2x Flexible I/O Window Slots, 2x PCIeX8 Slots (4-lane), 1x PCIeX16 Slot, 2x Removable 2.5" SATA HDD Bays, 2x Internal 2.5" SATA HDD Bays, Line Out, Mic In, DC 24~48V, Terminal Block Connector |

→ Packing List

| Description |
|------------------------------|
| 1 x MEGA-3110 Series Machine |
| 1 x Wall Mount Kit |

→ Optional Items

| Part No. | Description |
|---------------|---|
| AWD-4G003 | 4G(LTE) EG25-G + 2 Antennas, Full Size (for Global) |
| AWD-4G004 | 4G(LTE) EC25EFA + 2 Antennas, Full Size (for Europe/Taiwan/China/Hong Kong) |
| AWD-WF001 | Wi-Fi 802.11 b/g/n (1T1R) + 1 Antenna, Half Size |
| AWD-WF003 | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size |
| i7-9700TE | Intel® Core™ i7-9700TE (8-Cores, up to 3.8 GHz, 35W TDP) |
| i5-9500TE | Intel® Core™ i5-9500TE (6-Cores, up to 3.6 GHz, 35W TDP) |
| i7-8700T | Intel® Core™ i7-8700T (6-Cores, up to 4.0 GHz, 35W TDP) |
| i5-8500T | Intel® Core™ i5-8500T (6-Cores, up to 3.5 GHz, 35W TDP) |
| i3-8100T | Intel® Core™ i3-8100T (4-Cores, up to 3.1 GHz, 35W TDP) |
| 55400-0000-M5 | Power Supply 24V/21A 500W with 4x DC Cables, Phoenix Connector |
| 55400-0001-M5 | Power Supply 48V/21A 1000W with 4x DC Cables, Phoenix Connector |
| 30130-0000-CA | Power Cord, 3-pin US Type SL-2 + Y, 180 cm |
| 30131-0000-CA | Power Cord, 3-pin EU Type SL-6 + Y, 180 cm |

→ Specifications

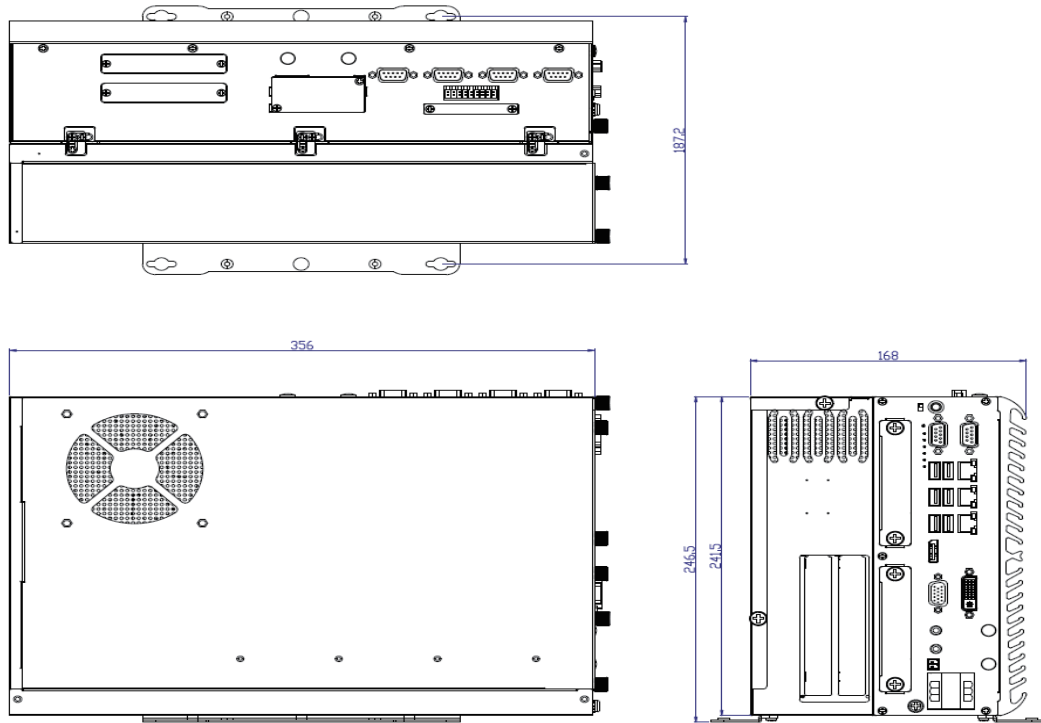
| Model | | MEGA-3112 | MEGA-3113 |
|------------------|--------------------------|--|--|
| Processor System | CPU | Socket 9th/ 8th Intel® Core™ i3 / i5 / i7 Desktop 35W/65W LGA 1151 Processors | |
| | Frequency | N/A | |
| | System Chipset | Intel® Q370 Express Chipset | |
| | Cache | N/A | |
| Memory | BIOS | AMI BIOS, 256Mbit SPI Flash ROM On Board | |
| | Technology | Dual Channel DDR4 2400/2666 MHz SDRAM | |
| | Max. Capacity | 64 GB (Un-buffered and Non-ECC) | |
| | Socket | 2x DDR4 260-pin SO-DIMM | |
| Display | Graphics Engine | Integrated Intel® UHD Graphics 630 (Core™ i7/ i5/ i3) Integrated Intel® UHD Graphics 610 (Pentium/ Celeron) | |
| | HDMI | N/A | |
| | DP | 1x DP, up to 4096 x 2160 | |
| | VGA | 1x VGA, up to 1920 x 1200 | |
| | DVI | 1x DVI-D, up to 1920 x 1200 | |
| I/O Interface | USB | 6x USB 3.2 and 2x Internal USB 2.0 Ports | |
| | Serial Port | 6x COM (RS-232/422/485), with Auto Flow Control, DB9 | |
| | Ethernet | 3x GbE (LAN1: Intel® i219-LM, Supporting Wake-on-LAN and PXE) (LAN2/3: Intel® i210-AT GbE, Supporting Wake-on-LAN and PXE) | |
| | Audio | Lin out, Mic in (Realtek ALC888S) | |
| | GPIO/DIO | 8x Isolated DI and 8x Isolated DO (2 x 9-Pin Terminal Block) | |
| | Antenna Hole | 8 | |
| | Others | 1x Removable CMOS Battery and 1x External Clear CMOS Switch | |
| | Flexible I/O Window Slot | 2 | |
| | Storage | 2.5" HDD / SSD | 2x Removable 2.5" SATA HDD Bays and 2x Internal 2.5" SATA HDD Bays |
| M.2 | | N/A | |
| CFast/mSATA | | 2x CFast Sockets (shared by 2x mSATA) | |
| RAID | | RAID 0, 1, 5, 10 | |
| Expansion | Mini PCIe | 2x Full-size Mini-PCIe Socket (mux with mSATA) and 2x Full-size Mini-PCIe | |
| | M.2 | N/A | |
| | PCI / PCIe | 1x PCIe X16 Slot and 1x PCIe X8 Slot (4-Lane) | 1x PCIe X16 Slot and 2x PCIe X8 Slot (4-Lane) |
| | SIM Holder | 2x External SIM Sockets and 2x Internal SIM Sockets | |
| Power | Power On Model | AT / ATX (Support Hardware AT, ATX Power Mode) | |
| | Power Supply Voltage | 9~48V DC (without GPU Card) 24~48V DC (with GPU Card) | |
| | Power Connector Type | 1x 3-pin Terminal Block Connector with Power Input | |
| | Power Ignition | Power Ignition Sensing | |
| | Power Consumption | Optional AC/DC 24V, 220W without GPU Card Optional AC/DC 24V, 500W/1000W with GPU Card | |
| | Protection | Over Voltage Protection (OVP) up to 52V Reverse Voltage Protection (RVP) up to -48V Over Current Protection (OCP) 20A | |
| | Car Mode | 1x PC/Car Mode Switch | |
| Mounting | Type | Wall Mount / Stand Mount | |
| Environment | Operating Temperature | -40~70° C (-40~158° F) | |
| | Storage Temperature | -40~85° C (-40~185° F) | |
| | Humidity | 5~95% @ 40° C, Non-Condensing | |
| | Vibration | 3 Grms, 5-500 Hz, 3 Axis | |
| | Shock | 30 Grms, Half-sine 11 ms | |
| General | Certification | CE / FCC Class A | |
| | Thermal Dissipation | Fan Based System | |
| | Material | Extruded Aluminum with Heavy Duty Metal | |
| | Dimensions (W x H x D) | 168 x 241.5 x 356 mm (6.61" x 9.51" x 14.02") | 168 x 241.5 x 356 mm (6.61" x 9.51" x 14.02") |
| | Net Weight | 7.35 kg (16.20 lb) | 7.55 kg (16.64 lb) |
| | Operating System | Windows 10 (IoT / Professional), Linux | |

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→ *Dimensions*

MEGA-3112



MEGA-3113

