

MEGA-3110 Series

Arestech

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



Features

- Supports 8th / 9th Intel® Core™-i LGA 1151 Processors
- Triple Display Supported by VGA, DVI and Display Port
- Dual DDR4 2400 MHz SO-DIMM up to 32 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

- Digital Signage Control Systems
- Factory Automation Applications
- Image Processing (e.g. Medical 2D and 3D imaging)
- Gaming and Entertainment Industries
- Network Communications

→ Packing List

Description

1 x MEGA-3110 Series Machine

→ Optional Items

| Part No. | Description |
|---------------|---------------------------------------------------------------------------------|
| AWD-4G003 | 4G(LTE) EG25-G+ 2 antenna, Full size (for global) |
| AWD-WF001 | Wi-Fi 802.11 bgn (1T1R) +1 Antenna (Single band), Half-size mini PCIe |
| AWD-WF003 | Wifi 802.11 a/b/g/n/ac/BT4.0 (2T2R) +2 Antenna (Dual band), Half-size mini PCIe |
| 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) |
| AWD-kit2USB30 | mini PCIe to 2 USB3.0 |
| AWD-kit2LAN | mini PCIe to 2 LAN |
| AWD-kit2COM | mini PCIe to 2 COM RS 422/485 |
| 55400-0000-M5 | Power Supply 24V/ 21A 500W with 4x DC Cable, Phoenix Connector |
| 55400-0001-M5 | Power Supply 48V/ 21A 1000W with 4x DC Cable, Phoenix Connector |
| 30130-0000-CA | Power Cord, 3-pin US Type SL-2 + Y, 180cm |
| 30131-0000-CA | Power Cord, European Type SL-6 + Y, 180cm |

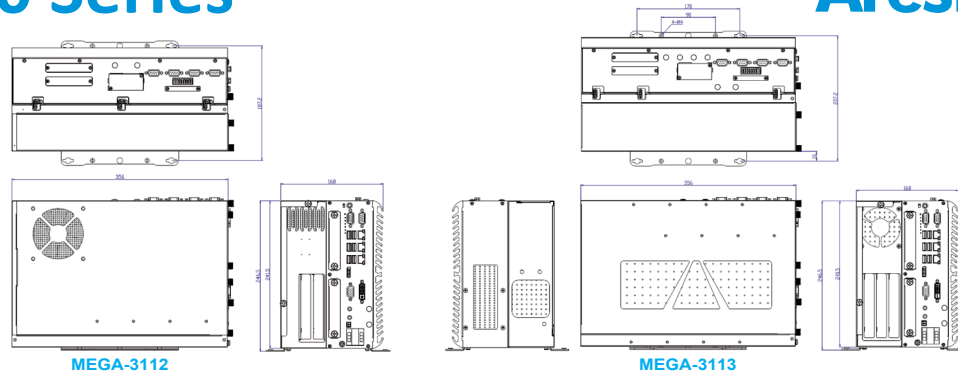
→ Ordering Information

| Part No. | Description |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MEGA-3112 | Intel® 8 th / 9 th Core™ i3 / i5 / i7 GPU Computer with 1VGA, 1DVI-D, 1 DP, 3x GbE RJ45, 6x USB 3.2, 6x RS232/422/485, 1 DIO, Line out, Mic in, 2x CFast/mSATA, 2x Removable 2.5" SATA HDD Bay, 2x Internal 2.5" SATA HDD Bay, 1x PCIeX8 Slot (4-lane) and 1x PCIeX16 Slot |
| MEGA-3113 | Intel® 9 th /8 th Core™ i3 / i5 / i7 GPU Computer with 1VGA, 1DVI-D, 1 DP, 3x GbE RJ45, 6x USB 3.2, 6x RS232/422/485, 3x GbE RJ45, 6x USB 3.2, 6x RS232/422/485, 1 DIO, Line out, Mic in, 2x CFast/mSATA, 2x Removable 2.5" SATA HDD Bay, 2x Internal 2.5" SATA HDD Bay, 2x PCIeX8 Slot (4-lane) and 1x PCIeX16 Slot |

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→ Dimensions



→ Specifications

| Model | | MEGA-3112 | MEGA-3113 |
|------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Processor System | CPU | Support 8th/ 9th Intel® Core™ i3 / i5 / i7 Desktop35W/65W LGA 1151 Processors | |
| | System Chipset | Intel® Q370 Express Chipset | |
| | BIOS | AMI BIOS, 256Mbit SPI Flash ROM On Board | |
| Memory | Technology | Dual Channel DDR4 SO-DIMM Sockets | |
| | Max. Capacity | 32 GB | |
| | Socket | 2 DDR4 260-pin SO-DIMM | |
| Display | Graphics Engine | Integrated Intel® UHD Graphics 630 | |
| | VGA | 1 x VGA, (1920x1080) | |
| | DVI-D | 1 x DVI-D (1920 x 1200) | |
| | HDMI | N/A | |
| | Display Port | 1 x DP, (3840x2160) | |
| I/O Interface | Multi Display | Yes | |
| | USB | 6 x USB 3.2 | |
| | Serial | 6 x COM (RS-232/422/485), with Auto Flow Control, DB9 | |
| | GPIO | 8 x Isolated DI and 8 x Isolated DO (2x9-Pin Terminal Block) | |
| | Ethernet | 3 x GbE RJ45, GbE1: Intel® i219-LM (Support Wake-on-LAN and PXE) GbE2~GbE3: Intel® i210-AT GbE (Support Wake-on-LAN and PXE) | |
| | Audio | Lin out, Mic in | |
| Expansion | CMOS Battery | 1 x Removable CMOS Battery and 1x External Clear CMOS Switch | |
| | miniPCIe/ M.2 Slot | 2 x Full-Size Mini-PCIe Socket (mux with mSATA) and 2x Full-size Mini-PCIe | |
| | SIM Socket | 2 x External SIM Sockets | |
| | Antenna Hole | 8 x Antenna Holes | |
| | PCI/ PCIe Slot | 1 x PCIe X16 Slot and 1 x PCIe X8 Slot (4-Lane) | 1 x PCIe X16 Slot and 2 x PCIe X8 Slot (4-Lane) |
| Storage | HDD/SSD | 4 x SATA HDD Bays (2 x Removable 2.5" SATA HDD Bays and 2 x Internal 2.5" SATA HDD Bays) | |
| | RAID | RAID 0, 1, 5, 10 | |
| | CFast Socket | 2 x CFast Socket (Shared by 2x mSATA) | |
| | mSATA/M.2 | 2 x mSATA Socket (Shared by 2x Mini-PCIe and 2x CFast) | |
| Power | Power On Model | AT/ATX | |
| | Power Supply Voltage | Power Supply 1: 9~48V DC and Power Supply 2: 9~24V DC (Power Ignition Supported) | |
| | Power Connector Type | 2 x 3-pin Terminal Block Connector with Power Input | |
| | Power Consumption (Max.) | 21A @ 24 V (500W), with 2080Ti Graphic Card | 42 A @ 24 V (1008W), with 3090 Graphic Card |
| | Battery | CR2032; 3.3V | |
| | Power Connector Type | AT / ATX (Support Hardware AT, ATX Power Mode) | |
| | Protection | Over Voltage Protection (OVP) Up to 52V Reverse Voltage Protection (RVP) up to -48V Over Current Protection (OCP) 20A | |
| Mounting | Car Mode | 1x PC/Car Mode Switch | |
| | Type | Wall Mounting / Stand Mounting | |
| Environment | Operating Temperature | -40~70° C (-40~158° F) without GPU Card; -40~60° C (-40~140° F) with GPU Card | |
| | 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 | |
| | Thermal Dissipation | Fan Based System | |
| | Material | Extruded Aluminum with Heavy Duty Metal | |
| | Dimensions (W x H x D) | 148x 356 x 241.5 mm(5.83" x 14.02" x 9.51") | 168x 356 x 241.5 mm(6.61" x 14.02" x 9.51") |
| | Net Weight | 7.35kg (16.20lb) | 7.55kg (16.64 lb) |
| | Operating System | Windows 10 (IoT / Professional), Linux | |