

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

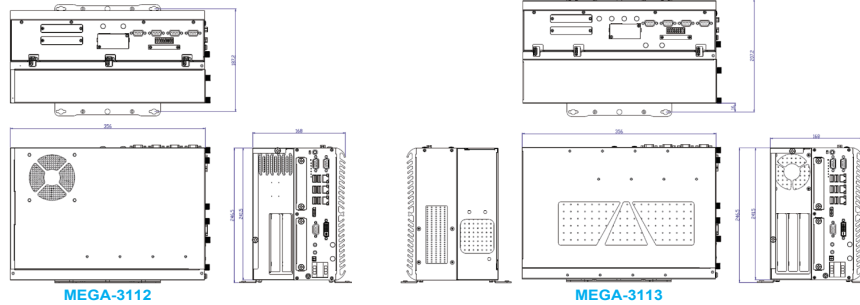
Part No.	Description
MEGA-3112	Intel® 8th / 9th Core™ i3 / i5 / i7 GPU Computer with 1VGA, 1DVI-D, 1 DP, 3x GbE RJ45, 6x USB 3.2, 6x RS232/422/485, 1 DIO, Line out, Mic in, 2x CFast/mSATA, 2x Removable 2.5" SATA HDD Bay, 2x Internal 2.5" SATA HDD Bay, 1x PCIeX8 Slot (4-lane) and 1x PCIeX16 Slot
MEGA-3113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

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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