

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

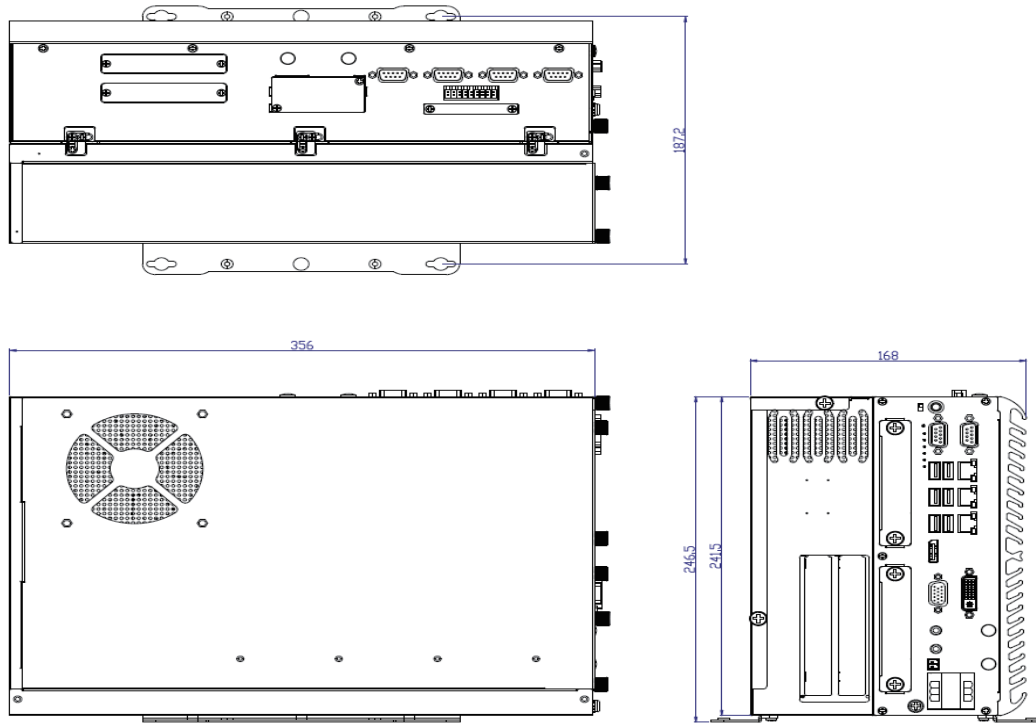
Model		MEGA-3112	MEGA-3113
Processor System	CPU	Socket 9th/ 8th Intel® Core™ i3 / i5 / i7 Desktop 35W/65W LGA 1151 Processors	
	Frequency	N/A	
	System Chipset	Intel® Q370 Express Chipset	
	Cache	N/A	
Memory	BIOS	AMI BIOS, 256Mbit SPI Flash ROM On Board	
	Technology	Dual Channel DDR4 2400/2666 MHz SDRAM	
	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

