

MEVA-3110 Series

Arestech

Machine Vision Computer with Intel® 9th / 8th LGA1151 Processor



Features

- Supports 9th/8th Gen Intel® CFL-R/S LGA 1151 Processors
- Triple Displays Supported by VGA, DVI and DisplayPort
- 2x DDR4 2400/ 2666MHz SO-DIMM, Max up to 64GB
- 3x Intel GbE Ports, Support Wake-on-LAN and PXE
- 4x Removable 2.5" SATA HDD bay and 2x CFast/ mSATA, Supporting RAID 0, 1, 5, 10
- 4x Full-size Mini-PCIe and 4x SIM Sockets
- 9~48V DC Input with Built-in Ignition Power Control

Applications

- Factory Automation
- Machine Vision
- Quality Inspection
- Motion Control
- Digital Surveillance

→ Ordering Information

Part No.	Description
MEVA-3110	Intel® 9th/8th Core™ i LGA1151 CPU, Q370 Fanless Box PC, 6x USB3.2, 2x USB2.0, 6x RS232/422/485, 3x GbE, 1x DP, 1x VGA, 1x DVI-D, 4x Flexible I/O Window Slots, 4x Removable 2.5" SATA HDD Bays, Line Out, Mic In, DC 9~48V, Terminal Block Connector
MEVA-3111P	Intel® 9th/8th Core™ i LGA1151 CPU, Q370 Fanless Box PC, 6x USB3.2, 2xUSB 2.0, 6x RS232/422/485, 3x GbE, 1x DP, 1x VGA, 1x DVI-D, 4x Flexible I/O Window Slots, 1x PCI Slot, 4x Removable 2.5" SATA HDD Bays, Line Out, Mic In, DC 9~48V, Terminal Block Connector
MEVA-3111E	Intel® 9th/8th Core™ i LGA1151 CPU, Q370 Fanless Box PC, 6x USB3.2, 2x USB 2.0, 6x RS232/422/485,3x GbE, 1x DP, 1x VGA, 1x DVI-D, 4x Flexible I/O Window Slots, 1x PCI Express X16 Slot, 4x Removable 2.5" SATA HDD Bays, Line Out, Mic In, DC 9~48V, Terminal Block Connector
MEVA-3112P	Intel® 9th/8th Core™ i LGA1151 CPU, Q370 Fanless Box PC, 6xUSB3.2, 2x USB 2.0, 6x RS232/422/485, 3x GbE, 1x DP, 1x VGA, 1x DVI-D, 4x Flexible I/O Window Slots, 2x PCI Slots, 4x Removable 2.5" SATA HDD Bays, Line Out, Mic In, DC 9~48V, Terminal Block Connector
MEVA-3112E	Intel® 9th/8th Core™ i LGA1151 CPU, Q370 Fanless Box PC, 6x USB3.2, 2x USB 2.0, 6x RS232/422/485, 3x GbE, 1x DP, 1x VGA, 1x DVI-D, 4x Flexible I/O Window Slots, 1x PCIe X8 Slot (4-lane), 1x PCI Express X16 Slot, 4x Removable 2.5" SATA HDD Bays, Line Out, Mic In, DC 9~48V, Terminal Block Connector

→ Packing List

Description
1 x MEVA-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)
55000-0023-M5	Adapter AC/DC 24V 5A 120W with 3-pin Terminal Block Plug 5.0mm Pitch
55000-0024-M5	Adapter AC/DC 24V 9.2A 220W with 3-pin Terminal Block Plug 5.0mm Pitch
30100-0003-CA	Power Cord, 3-pin US Type, 180 cm
30101-0005-CA	Power Cord, 3-pin EU Type, 180 cm
5E400-0004-AV	External Fan Module Kit for MEVA (MERA) Series (92 x 92 x 25 mm)

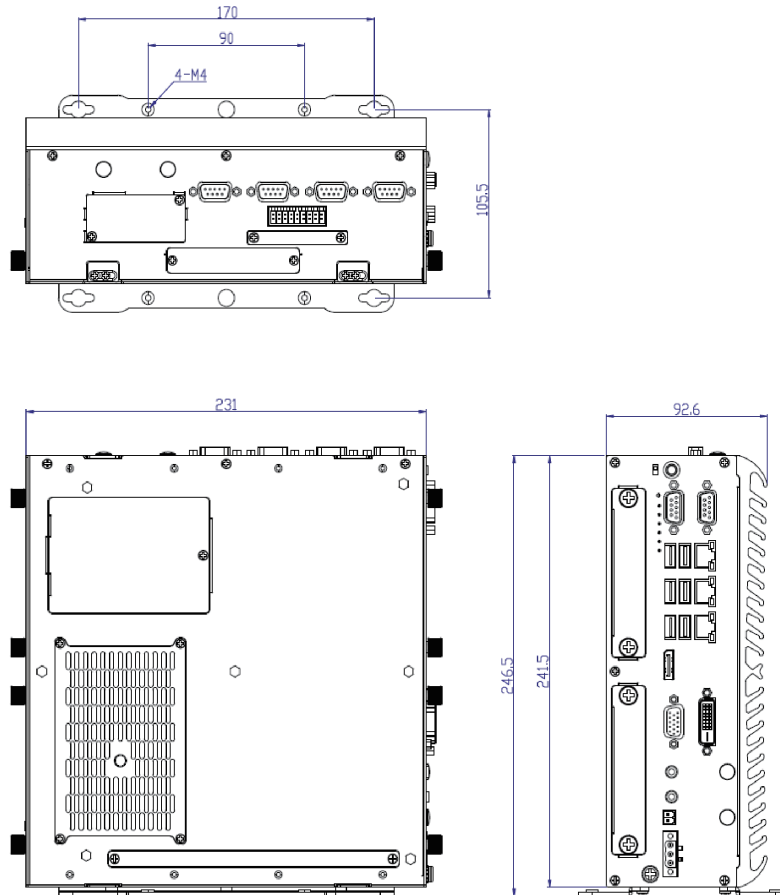
→ Specifications

Model		MEVA-3110	MEVA-3111P/E	MEVA-3112P/E
Processor System	CPU	Support LGA 1151 Processors 9th/ 8th Intel® Core™ i3 / i5 / i7 Desktop 35W/ 65W		
	Frequency	N/A		
	System Chipset	Intel® Q370 Express Chipset		
	BIOS	AMI BIOS, 256Mbit SPI Flash ROM on Board		
Memory	Technology	Dual Channel DDR4 2400/2666 MHz SO-DIMM		
	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 USB3.2 and 2x USB2.0		
	Serial	6x COM (RS-232/422/485), with Auto Flow Control, DB9		
	GPIO	8x Isolated DI and 8x Isolated DO Ports, 2x9-Pin Terminal Block		
	Ethernet	3x GbE RJ45, GbE1: Intel® i219-LM GbE (Supports Wake-on-LAN and PXE) GbE2~GbE3: Intel® i210-AT GbE (Support sWake-on-LAN and PXE)		
	Audio	Line Out, Mic In		
	CMOS Battery	1x Removable CMOS Battery and 1x External Clear CMOS Switch		
	Flexible I/O Window Slot	4		
Expansion	Mini PCIe	2x Full-size Mini-PCIe Sockets (mux with mSATA) and 2x Full-size Mini-PCIe Sockets		
	M.2	N/A		
	PCI / PCIe	N/A	1x PCI Slot (MEVA-3111P) 1x PCIe X16 Slot (MEVA-3111E)	2x PCI Slots (MEVA-3112P) 1x PCIe X16 Slot and 1x PCIe X8 Slot (4-lane) (MEVA-3112E)
	SIM Holder	4		
Storage	2.5" HDD / SSD	4x Removable 2.5" SATA HDD Bays		
	M.2	N/A		
	CFast/mSATA	2x CFast Sockets (shared by 2x mSATA)		
	RAID	RAID 0 / 1 / 5 / 10		
Power	Power On Model	AT/ATX (Supports 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, 120W / 220W		
	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	35W CPU: -40°C to 70°C (-40~158° F) 65W CPU: -40°C to 60°C (-40~140° F, Optional External Fan Kit is Required)		
	Storage Temperature	-40°C to 85°C (-40~185° F)		
	Humidity	5~95% @ 40° C, Non-condensing		
	Vibration	5 Grms, 5-500 Hz, 3 Axis		
	Shock	50 Grms, Half-sine 11 ms		
General	Certification	CE/FCC		
	Thermal Dissipation	Fanless System (35W) : Fan-based System (65W)		
	Material	Extruded Aluminum with Heavy Duty Metal		
	Dimensions (W x H x D)	92.6 x 241.5 x 231 mm (3.65" x 9.51" x 9.09")	127 x 241.5 x 231 mm (5" x 9.51" x 9.09")	148 x 241.5 x 231 mm (5.83" x 9.51" x 9.09")
	Net Weight	3.95 kg (8.70 lb)	5.2 kg (11.4 lb)	5.35 kg (11.7 lb)
	Operating System	Windows 10 (IoT / Professional), Linux		

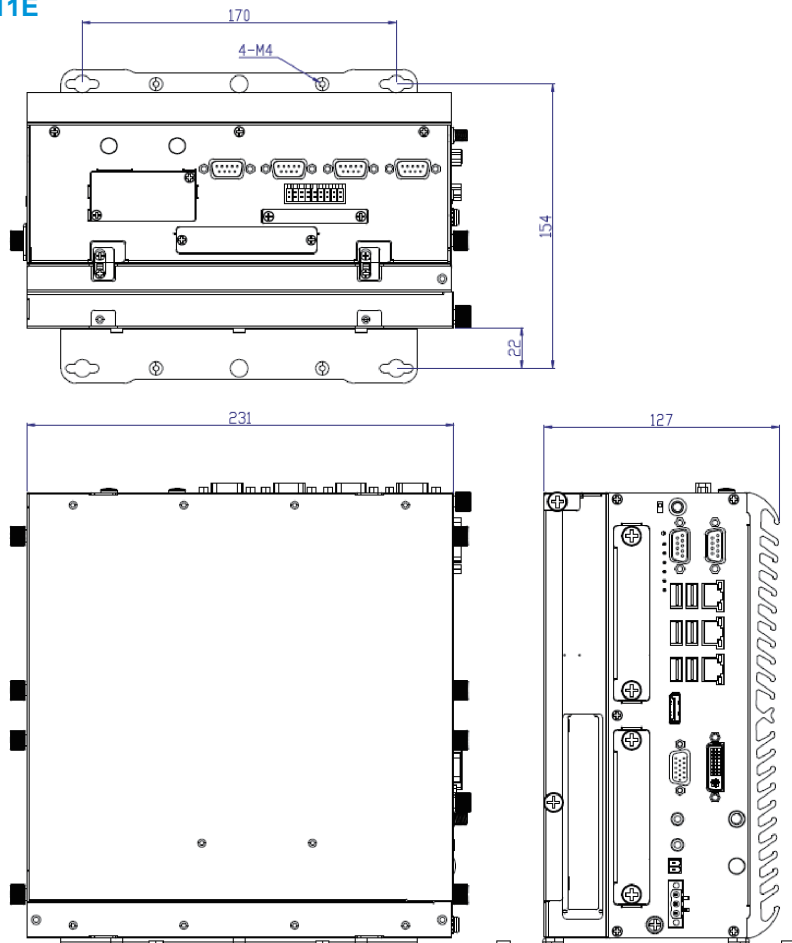
MEVA-3110 Series

→ Dimensions

MEVA-3110



MEVA-3111P / MEVA-3111E

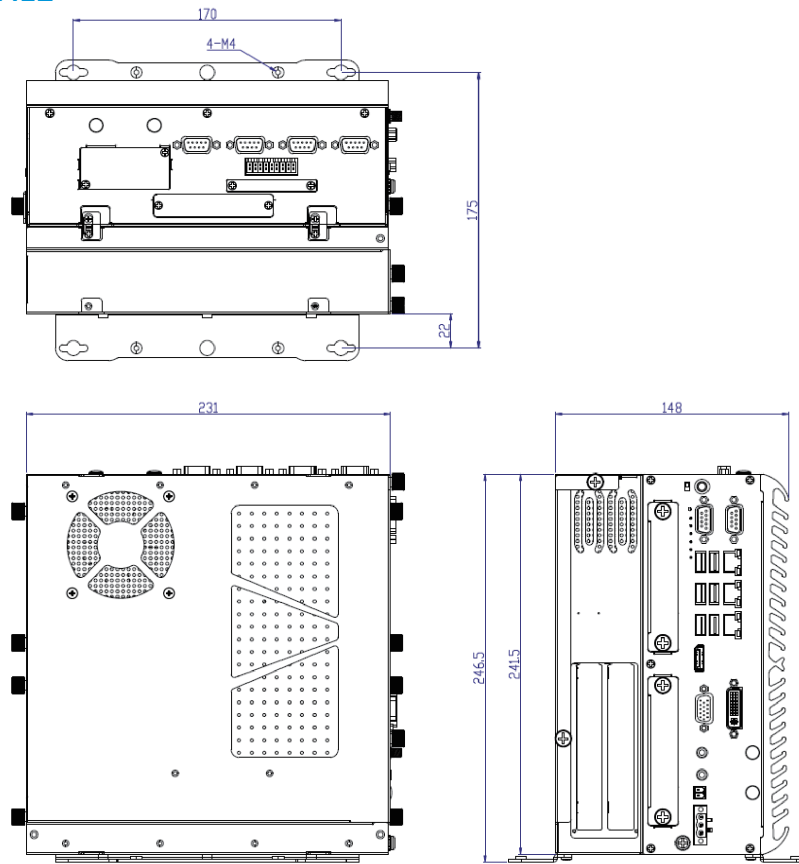


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→ Dimensions

MEVA-3112P / MEVA-3112E





Authorized Distributor

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