

MEVA-3110 Series

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



Features

- Supports 9th/ 8th Gen Intel® CFL-R/S LGA 1151 Processors
- Triple Display 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-PCle and 4x SIM socket
- 9~48V DC Input with build-in ignition power control
- Network Communications

Applications

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

→ Packing List

Description
1 x MERA-3100 Series Machine
1 x Wall Mount Kit
1 x Power Cord

→ 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 PCle
AWD-WF003	wifi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 antenna(dual band), mini PCle 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 3pin Terminal Block Plug 5.0mm Pitch
55000-0024-M5	Adapter AC/DC 24V 9.2A 220W with 3pin Terminal Block Plug 5.0mm Pitch
5E000-0060-AV	Internal Fan (70 x 70 x25 mm) Module Kit
AWD-kit2USB30	mini PCle to 2 USB3.0
AWD-kit2LAN	mini PCle to 2 LAN
AWD-kit2COM	mini PCle to 2 COM RS 422/485

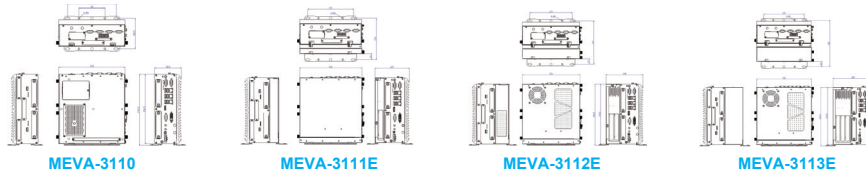
→ Ordering Information

Part No.	Description
MEVA-3110	Intel® 9th/8th Core™ i7/i5/i3 Superior Fanless Box PC with 3x LAN, 6x USB 3.2, 2x USB 2.0, 6x RS232/422/485, 1x VGA, 1x DVI-D, 1x DP, 4x Universal I/O Brackets, 4x Removable 2.5" SATA HDD Bay
MEVA-3111E	Intel® 9th/8th Core™ i7/i5/i3 Superior Fanless Box PC with 3x LAN, 6x USB 3.2, 2x USB 2.0, 6x RS232/422/485, 1x VGA, 1x DVI-D, 1x DP, 4x Universal I/O Brackets, 4x Removable 2.5" SATA HDD Bay, 1x PCI Express X16 Slot
MEVA-3112E	Intel® 9th/8th Core™ i7/i5/i3 Superior Fanless Box PC with 3x LAN, 6x USB 3.2, 2x USB 2.0, 6x RS232/422/485, 1x VGA, 1x DVI-D, 1x DP, 4x Universal I/O Brackets, 4x Removable 2.5" SATA HDD Bay, 1x PCI Express X16 Slot, 1x PCIe X8 Slot (4-lane)
MEVA-3113E	Intel® 9th/8th Core™ i7/i5/i3 Superior Fanless Box PC with 3x LAN, 6x USB 3.2, 2 x USB2.0, 6x RS232/422/485, 1x VGA, 1x DVI-D, 1x DP, 4x Universal I/O Brackets, 4x Removable 2.5" SATA HDD Bay, 1x PCI Express X16 Slot, 2x PCIe X8 Slot (4-lane)

MEVA-3110 Series

Arestech

→ **Dimensions**



→ **Specifications**

Model		MEVA-3110	MEVA-3111E	MEVA-3112E	MEVA-3113E
Processor System	CPU	Support 9th/ 8th Intel® Core™ i3 / i5 / i7 Desktop 35W/ 65W LGA 1151 Processors			
	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	2 DDR4 260-pin SO-DIMM			
Display	Graphics Engine	Integrated Intel® UHD Graphics 630 (Core™ i7/ i5/ i3) : Integrated Intel® UHD Graphics 610 (Pentium/ Celeron)			
	VGA	1 VGA (1920 x 1080)			
	DVI-D	1 DVI-D (1920 x 1200)			
	HDMI	N/A			
	Display Port	1 DP (3840 x 2160)			
	Multi Display	Yes			
I/O Interface	USB	8, 6 USB3.2, 2 USB2.0			
	Serial	6, COM (RS-232/422/485), with Auto Flow Control, DB9			
	GPIO	8x Isolated DI and 8x Isolated DO Port, 2x9-Pin Terminal Block			
	Ethernet	3 GbE RJ45, GbE1: Intel® i219-LM GbE(Support Wake-on-LAN and PXE) GbE2~GbE3: Intel® i210-AT GbE (Support Wake-on-LAN and PXE)			
	Audio	Lin out, Mic in			
	CMOS Battery	1x Removable CMOS Battery, 1x External Clear CMOS Switch			
Expansion	Universal I/O Bracket	4 x Universal I/O Bracket			
	miniPCIe/ M.2 Slot	2x Full-size Mini-PCIe Socket (mux with mSATA), 2x Full-size Mini-PCIe Socket			
	SIM Socket	2 SIM Socket			
	Antenna Hole	4x Antenna Hole			
Storage	PCI/ PCIe Slot	N/A	1x PCI Express X16 Slot	2, 1x PCI Express X16 Slot, 1 x PCIe X8 Slot (4-lane)	3, 1x PCI Express X16 Slot, 2x PCIe X8 Slot (4-lane)
	HDD/SSD	4x Removable 2.5" SATA HDD Bay			
	RAID	RAID 0, 1, 5, 10			
	CFast Socket	2x CFast Socket (Shared by 2x mSATA)			
	mSATA/M.2	2x mSATA Socket (Shared by 2x Mini-PCIe and 2x CFast)			
Power	Power On Model	AT/ATX			
	Remote Power	1x Remote Power on/off Connector, 2-Pin Terminal Block			
	Power Supply Voltage	power supply: 9~48VDC (Power Ignition Sensing)			
	Power Connector Type	1x 3-pin Terminal Block Connector			
	Power Consumption (Max.)	1.58A @ 24 V (38W), without graphic card			
	Suggestions for optional adapter	optional 120 W adapter	optional 120 W adapter	optional 220 W adapter	optional 220 W adapter
	Battery	CR2032; 3.3V			
	Power Connector Type	1x AT/ATX Mode Switch			
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 mounting/Stand mounting			
Environment	Operating Temperature	35W CPU: -40°C to 70°C 65W CPU: -40°C to 60°C (Optional internal fan kit is required)			
	Storage Temperature	-40°C to 80°C			
	Humidity	10%~95% (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) : Fanbased System(65W)			
	material	Extruded Aluminum with Heavy Duty Metal			
	Dimensions (W x H x D)	92.6x241.5x231mm (3.65"x9.51"x9.09")	127x241.5x231 mm (5"x9.51"x9.09")	148x241.5x231 mm (5.83"x9.51"x9.09")	168x241.5x231 mm (6.61"x9.51"x9.09")
	Net Weight	3.95 kg (8.70lb)	5.2 kg (11.4lb)	5.35 kg (11.7lb)	5.45 kg (12.0lb)
	Operating System	Windows 10 IoT, Windows 10 Professional, Linux			