

# 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-PCIe 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

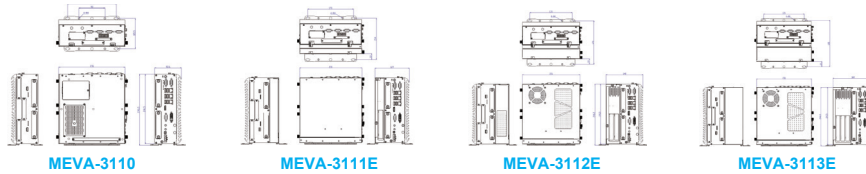
Part No.	Description
AWD-4G003	4G(LTE) EG25-G+ 2 antenna, Full size (for global)
AWD-WF001	Wi-Fi 802.11 bgn (1T1R) +1 Antenna (Single band), Half-size mini PCIe
AWD-WF003	wifi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 antenna(dual band), mini PCIe Half size
i7-9700TE	Intel® Core™ i7-9700TE (8-Cores, up to 3.8 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 PCIe to 2 USB3.0
AWD-kit2LAN	mini PCIe to 2 LAN
AWD-kit2COM	mini PCIe 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

## → 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			
	Universal I/O Bracket	4 x Universal I/O Bracket			
Expansion	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			
	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)
Storage	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			
Mounting	Car Mode	1x PC/Car Mode Switch			
	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 D x H)	92.6 x 231 x 241.5 mm (3.65" x 9.09" x 9.51")	127 x 231 x 241.5 mm (5" x 9.09" x 9.51")	148 x 231 x 241.5 mm (5.83" x 9.09" x 9.51")	168 x 231 x 241.5 mm (6.61" x 9.09" x 9.51")
	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				