

# MEVA-2010 Series

**Arestech**

Machine Vision Computer with Intel® Atom or Celeron® Processor



## Features

- Intel® Celeron® Processor J1900, up to 2.42GHz
- Dual Display Supported by DVI-I and DisplayPort
- 1 x DDR3L 1066/ 1333MHz SO-DIMM. Max up to 8GB
- 2 x Intel i210-AT GbE Ports, Supporting Wake-on-LAN and PXE
- 2 x Full-Size Mini-PCIe, 2x SIM Socket
- 9~48V DC Input with Built-in Ignition Power Control
- -40°C ~ 70°C Wide Temperature Operation

## 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 MEVA-2010 Series Machine
1 x DVI to VGA Adapter
1 x Wall Mount Kit

## → 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
55000-0025-M5	Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch
55000-0023-M5	Adapter AC/DC 24V 5A 120W with 3pin Terminal Block Plug 5.0mm Pitch
30100-0003-CA	Power Cord, 3-pin US Type, 180cm
30101-0005-CA	Power Cord, European Type, 180 cm

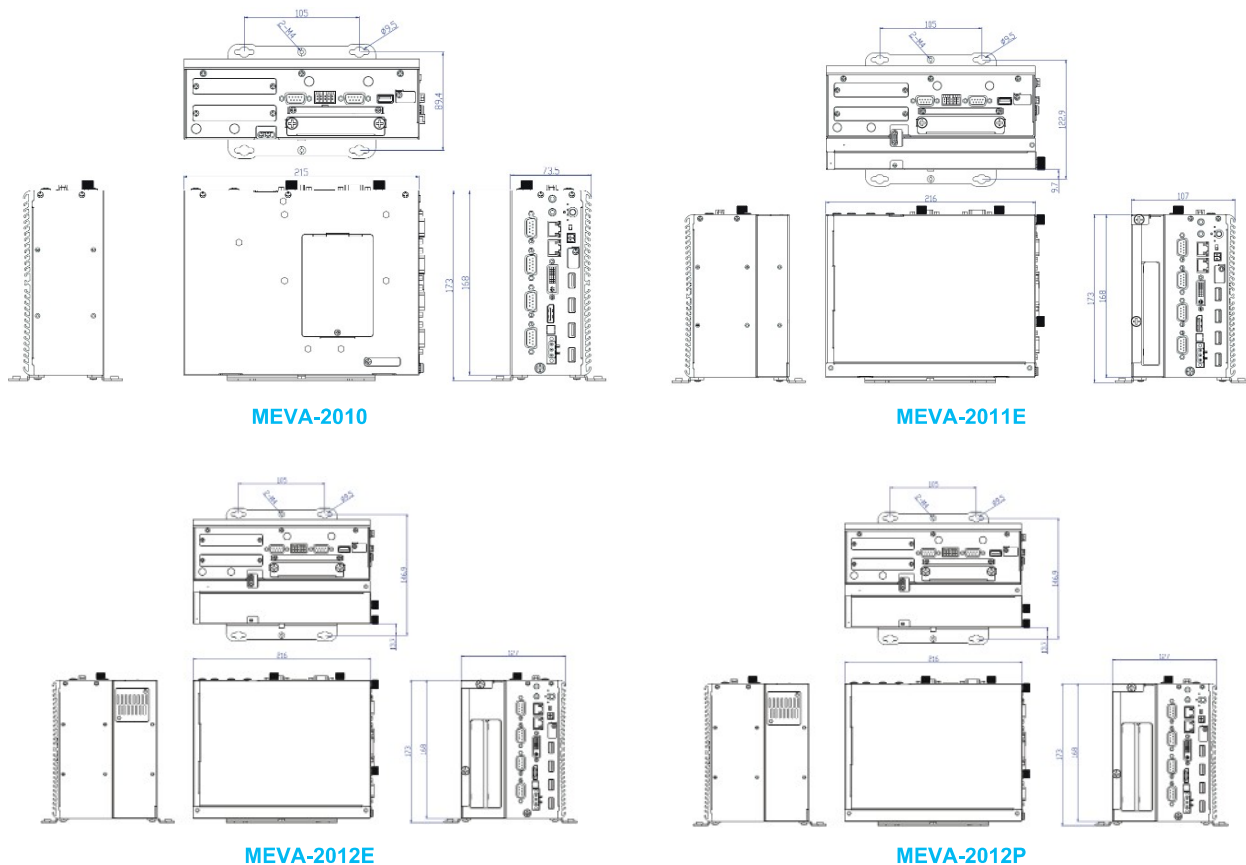
## → Ordering Information

Part No.	Description
MEVA-2010	Intel® J1900 Power-Efficient Fanless Box PC with 2x LAN, 1x USB 3.2 Gen1, 4x USB2.0, 6x RS232/422/485, 1x DVI-I, 1x DP, Lin out, Mic in, 1x Removable 2.5" SATA HDD Bay, 1x Internal 2.5" SATA HDD Bay, 2x Universal I/O Brackets
MEVA-2011E	Intel® J1900 Power-Efficient Fanless Box PC with 2x LAN, 1x USB 3.2 Gen1, 4x USB2.0, 6x RS232/422/485, 1x DVI-I, 1x DP, Lin out, Mic in, 1x Removable 2.5" SATA HDD Bay, 1x Internal 2.5" SATA HDD Bay, 2x Universal I/O Brackets, 1x PCI Express X4 Slot (1-Lane)
MEVA-2012E	Intel® J1900 Power-Efficient Fanless Box PC with 2x LAN, 1x USB 3.2 Gen1, 4x USB2.0, 6x RS232/422/485, 1x DVI-I, 1x DP, Lin out, Mic in, 1x Removable 2.5" SATA HDD Bay, 1x Internal 2.5" SATA HDD Bay, 2x Universal I/O Brackets, 2x PCI Express X4 Slot (1-Lane)
MEVA-2012P	Intel® J1900 Power-Efficient Fanless Box PC with 2x LAN, 1x USB 3.2 Gen1, 4x USB2.0, 6x RS232/422/485, 1x DVI-I, 1x DP, Lin out, Mic in, 1x Removable 2.5" SATA HDD Bay, 1x Internal 2.5" SATA HDD Bay, 2x Universal I/O Brackets, 2 x PCI Slot

# MEVA-2010 Series

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## → Dimensions



## → Specifications

Model		MEVA-2010	MEVA-2011E	MEVA-2012E	MEVA-2012P
Processor System	CPU	Intel® Celeron® Processor J1900			
	System Chipset	N/A			
	BIOS	AMI BIOS, 64Mbit SPI Flash ROM Built on Board			
Memory	Technology	Single Channel DDR3L 1066/1333 MHz SO-DIMM			
	Max. Capacity	8 GB (Un-buffered and Non-ECC)			
	Socket	1 x DDR3L 204-pin SO-DIMM			
Display	Graphics Engine	Integrated Intel® HD Graphics			
	VGA	N/A			
	DVI-D	1 x DVI-I (DVI-D+VGA), Resolution 1920*1200			
	HDMI	N/A			
	Display Port	1 x DP (3840*2160)			
	Multi Display	Yes			
I/O Interface	USB	5 (1 x USB3.0, 4 x USB2.0)			
	Serial	6 x COM (RS-232/422/485), with Auto Flow Control, DB9			
	GPIO	4 x Isolated DI and 4 x Isolated DO Port, 10-Pin Terminal Block			
	Ethernet	2 x GbE (2 x Intel® i210-AT GbE LAN Port, Supporting Wake-on-LAN and PXE)			
	Audio	Lin out, Mic in			
	CMOS Battery	1 x External Clear CMOS Switch			
	CFast/mSATA	2x CFast/mSATA(Colay)			
	Universal I/O Bracket	2 x Universal I/O Bracket			
		miniPCIe/ M.2 Slot	1 x Full-Size Mini-PCIe Socket (mux with mSATA), 1x Full-size Mini-PCIe (USB2.0 Only)		
Expansion	SIM Socket	2 x SIM Sockets			
	Antenna Hole	4 x Antenna Holes			
	PCI/ PCIe Slot	N/A	1x PCIe X4 Slot (1-lane)	2x PCIe X4 Slot (1-Lane)	2x PCI Slot
		HDD/SSD	1 x Removable 2.5" SATA HDD Bay, 1 x Internal 2.5" SATA HDD Bay		
Storage	RAID	N/A			
	CFast Socket	1 x CFast Socket (Shared by mSATA)			
	mSATA/M.2	1 x mSATA Socket (Shared by 1 x Mini-PCIe and CFast)			

## → Specifications

	Model	MEVA-2010	MEVA-2011E	MEVA-2012E	MEVA-2012P
Power	Power On Model	AT/ATX			
	Remote Power	1 x Remote Power On/Off Connector, 2-Pin Terminal Block			
	Power Supply Voltage	Power Supply: 9~48V DC (Power Ignition Sensing)			
	Power Connector Type	1 x 3-pin Terminal Block Connector			
	Power Consumption (Max.)	0.63A @ 24 V (15W), without graphic card			
	Suggested Adapter (Optional)	60W Adapter	60W Adapter	120W Adapter	120W Adapter
	Battery	CR2032; 3.3V			
	Power Connector Type	1 x 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	1 x PC/Car Mode Switch				
Mounting	Type	Wall Mounting / Stand Mounting			
Environment	Operating Temperature	-40°C to 70°C (with Industrial Grade Peripherals)			
	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			
	Material	Extruded Aluminum with Heavy Duty Metal			
	Dimensions (W x D x H)	73.5 x 215 x 168mm (2.89" x 8.46" x 6.61")	107 x 216 x 168 mm (4.21" x 8.5" x 6.61")	127 x 216 x 168 mm (5" x 8.5" x 6.61")	127 x 216 x 168 mm (5" x 8.5" x 6.61")
	Net Weight	1.8 kg (3.96lb)	2.7 kg (5.95lb)	2.85 kg (6.28lb)	2.85 kg (6.28lb)
	Operating System	Windows 10 (IoT / Professional), Linux			