

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

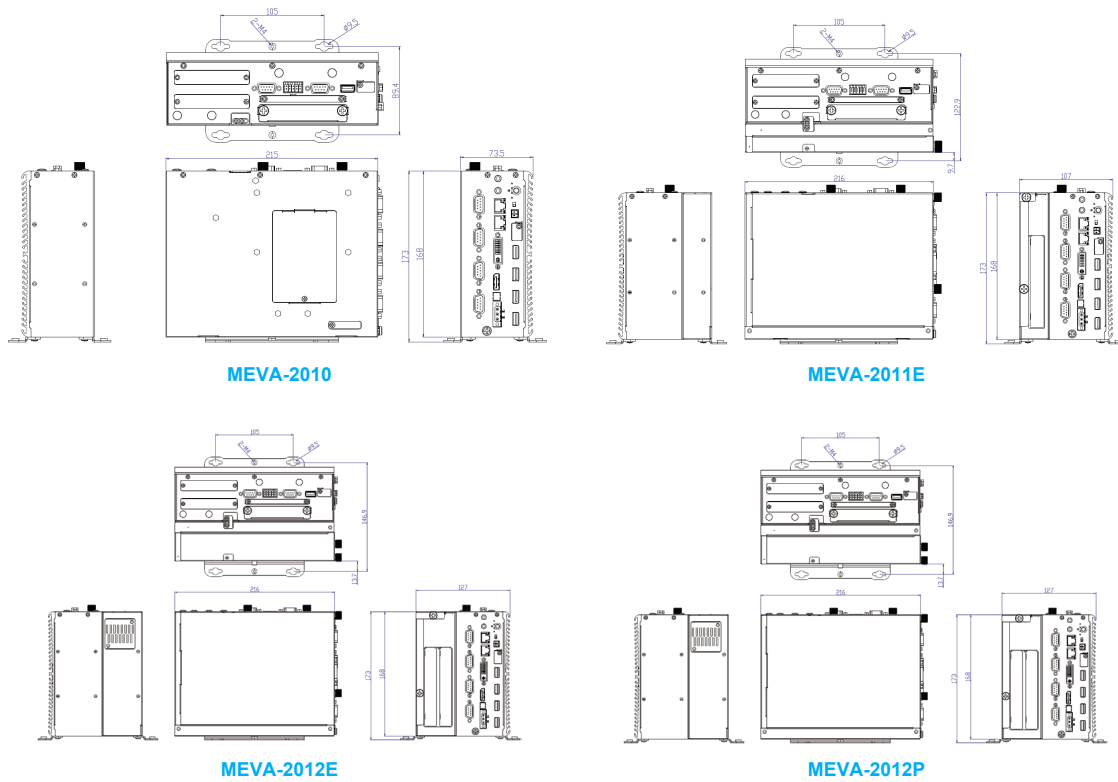
| Part No. | Description |
|------------|--|
| MEVA-2010 | Intel® J1900 Power-Efficient Fanless Box PC with 2x LAN, 1x USB 3.2 Gen1, 4x USB2.0, 6x RS232/422/485, 1x DVI-I, 1x DP, Lin out, Mic in, 1x Removable 2.5" SATA HDD Bay, 1x Internal 2.5" SATA HDD Bay, 2x Universal I/O Brackets |
| MEVA-2011E |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

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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 | | | |
| Expansion | miniPCIe/ M.2 Slot | 1 x Full-Size Mini-PCIe Socket (mux with mSATA), 1x Full-size Mini-PCIe (USB2.0 Only) | | | |
| | 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 |
| Storage | HDD/SSD | 1 x Removable 2.5" SATA HDD Bay, 1 x Internal 2.5" SATA HDD Bay | | | |
| | 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) | | | |

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→ **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 | | | |

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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