

MEVA-2110

Modular Embedded Computers with Intel® Pentium® N4200 Processor



Applications

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

Features

- Cable-free and Jumper-less Design to Enhance Reliability
- 2 x Intel® i210-AT GbE Ports, supporting Wake-on-LAN and PXE
- Supports 1 x VGA, 1 x DP, and 1 x HDMI (Optional)
- 2 x Full-Size Mini-PCle, 2 x SIM Socket
- 3 x Flexible I/O Windows
- 6 x RS232/422/485
- 9~48V DC Input with Built-in Ignition Power Control
- -40°C ~ 70°C Wide Temperature Operation

Ordering Information

Part No.	Description
MEVA-2110	Intel® N4200 Rugged Box PC, 2 x USB3.2 Gen1, 2 x USB 2.0, 6 x R232/422/485, 2 x GbE, 1 x VGA, 1 x DP, Line out, Mic in, 1 x Removable 2.5" SATA SSD, 3 x Flexible I/O Windows, DC 9~48V, Terminal Block Connector

Packing List

Description
1 x MEVA-2110

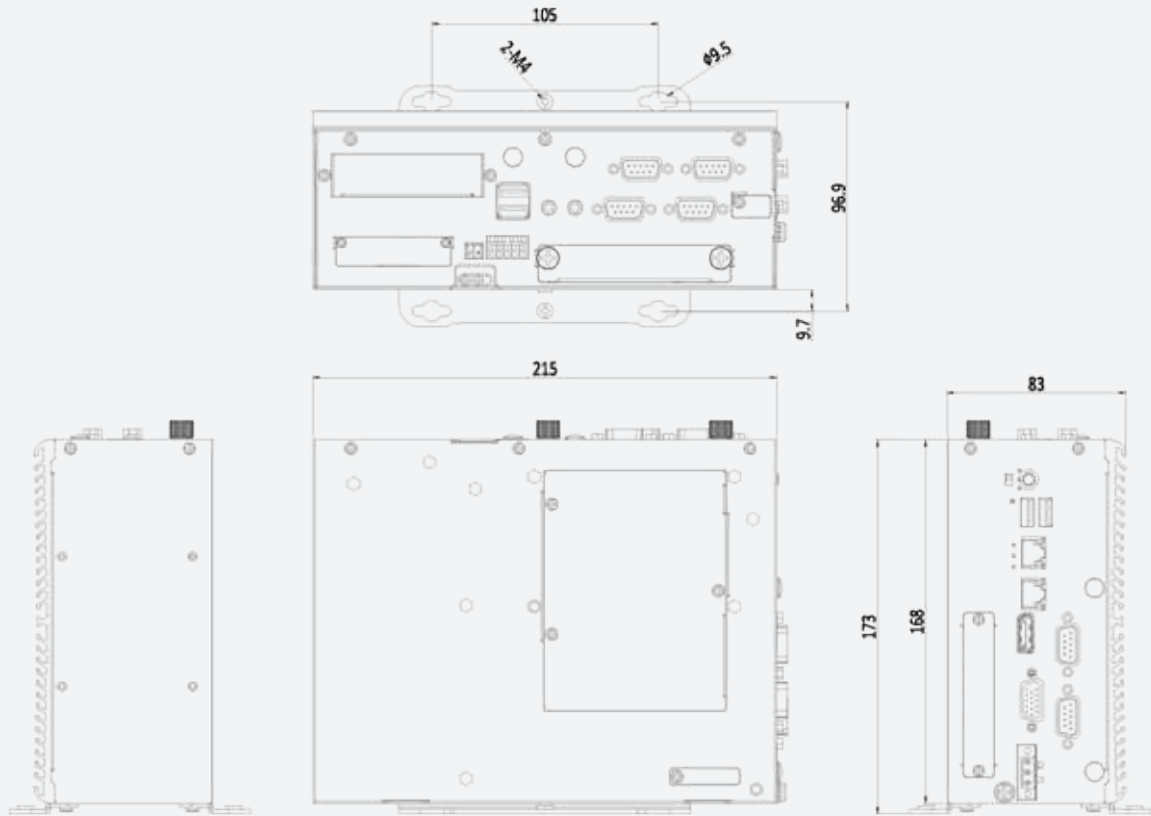
Optional Items

Part No.	Description
AWD-4G003	4G (LTE) EG25-G + 2 Antennas, Full Size (For Global)
AWD-WF003	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half-size mini PCIe
55000-0025-M5	Adapter AC/DC 12V 5A 60W with 3-pin Terminal Block Plug 5.0mm Pitch
55000-0023-M5	Adapter AC/DC 24V 5A 120W with 3-pin Terminal Block Plug 5.0mm Pitch
30100-0003-CA	Power Cord, 3-pin US Type, 180cm
30101-0005-CA	Power Cord, 3-pin EU Type, 180 cm
BV2-1E1	MEVA-2X10 Series Expansion Box with 1 x PCIe X4 Slot (1-lane)
BV2-1P	MEVA-2X10 Series Expansion Box with 1 x PCI Slot

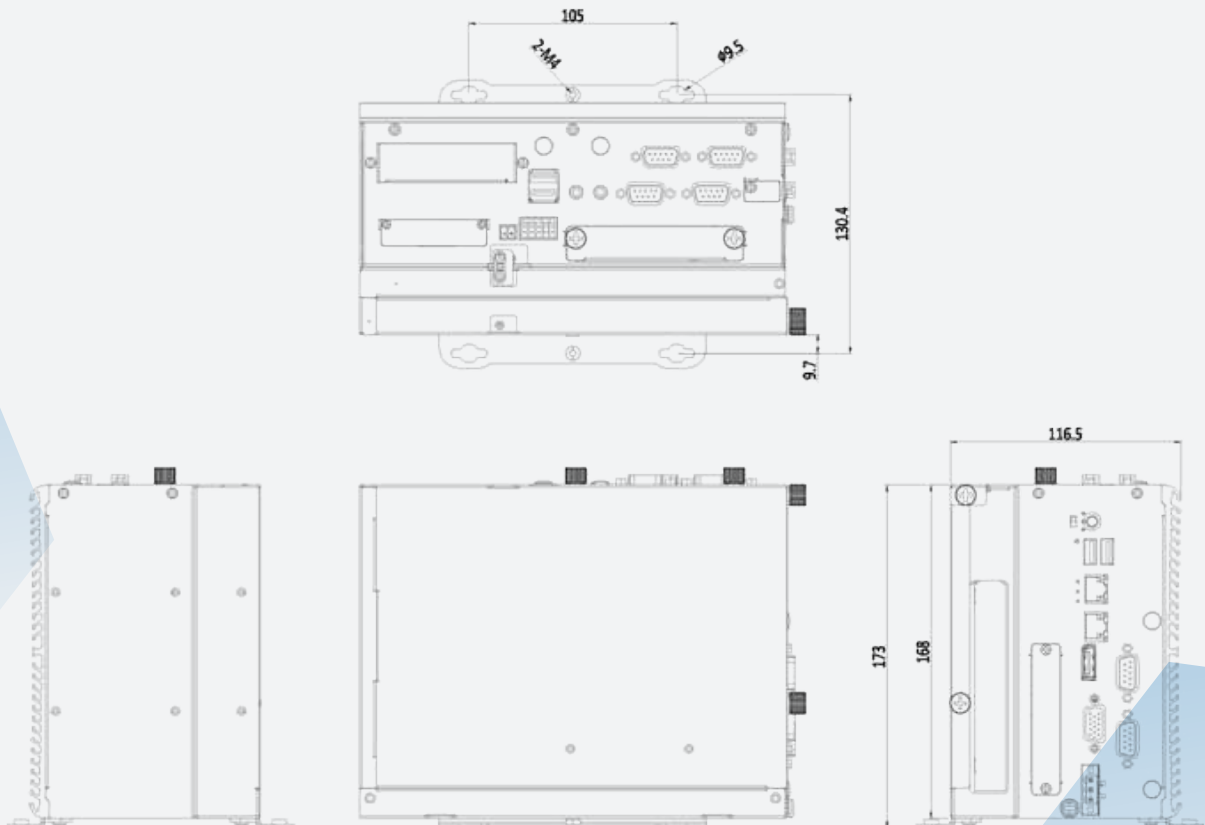
Specifications

Model	MEVA-2110	
Processor System	CPU	Intel® Pentium® N4200, 2.5 GHz
	Frequency	up to 2.50 GHz
	System Chipset	N/A
	BIOS	AMI BIOS, 128Mbit SPI Flash
	TPM	TPM 2.0
Memory	Technology	Single Channel DDR3L 1866 (Non-ECC and Unbuffered)
	Max. Capacity	Support up to 8GB (un-buffered and non-ECC)
	Type	1 x 204-pin SO-DIMM
Display	Graphics Engine	Intel® HD Graphics 505
	Multiple Display	2
	VGA	1 x VGA, Max Resolution 1920 x 1200
	DP	1 x DisplayPort, Max Resolution 4096 x 2160
	HDMI	1 x HDMI 1.4b, Max Resolution 4096 x 2160 (Optional)
I/O Interface	USB	2 x USB3.2 (Gen1), 2 x USB2.0
	Serial Port	6 x RS232/422/485
	Ethernet	2 x GbE Intel® I210-AT, RJ45
	Audio	1 x Line-out, 1 x Mic-in
	GPIO / DIO	Isolated DI x 4 and DO x 4, 2 x 5-pin Terminal Block
	CMOS Battery	1 x Removable CMOS Battery and 1 x Removable Clear CMOS Switch
	Antenna Hole	4
	Flexible I/O Window	2
Storage	2.5" SSD	1 x Removable 2.5" SATA SSD
	mSATA	2 x mSATA (Shared by 2 x Mini-PCIe)
Expansion	Mini PCIe	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA)
	SIM Holder	2 x SIM Holders
Power	Power Mode	AT/ATX
	Power Supply Voltage	9~48V DC Input with Ignition Control
	Power Connector Type	1 x DC Power Connector, 1 x 3-pin Terminal Block
	Power Adapter (Optional)	AC-to-DC, 12V/5A, 60W (Optional)
	Car Mode	1 x PC/Car Mode Switch 1 x Delay Time Switch
	Protection	Over Voltage Protection (OVP) up to 52V Over Current Protection (OCP) up to 20A Reverser Voltage Protection (RVP) up to -48V
Mounting	Type	Wall Mounting (Additional Mounting Kit)
Environment	Operating Temperature	-40°C ~ 70°C
	Storage Temperature	-40°C ~ 80°C
	Humidity	10% ~ 90% (Non-condensing)
	Vibration	IEC 60068-2-64: 1Grms, random, 5~500 Hz, 1hr/axis
	Shock	IEC 60068-2-27: 15G, half-sine, 11ms duration
	Certification	CE/FCC Class A
General	Thermal Dissipation	Fanless System
	Material	Wall Mounting (Additional Mounting Kit)
	Dimensions (W x D x H)	83 x 215 x 168mm
	Net Weight	1.8kg
	Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

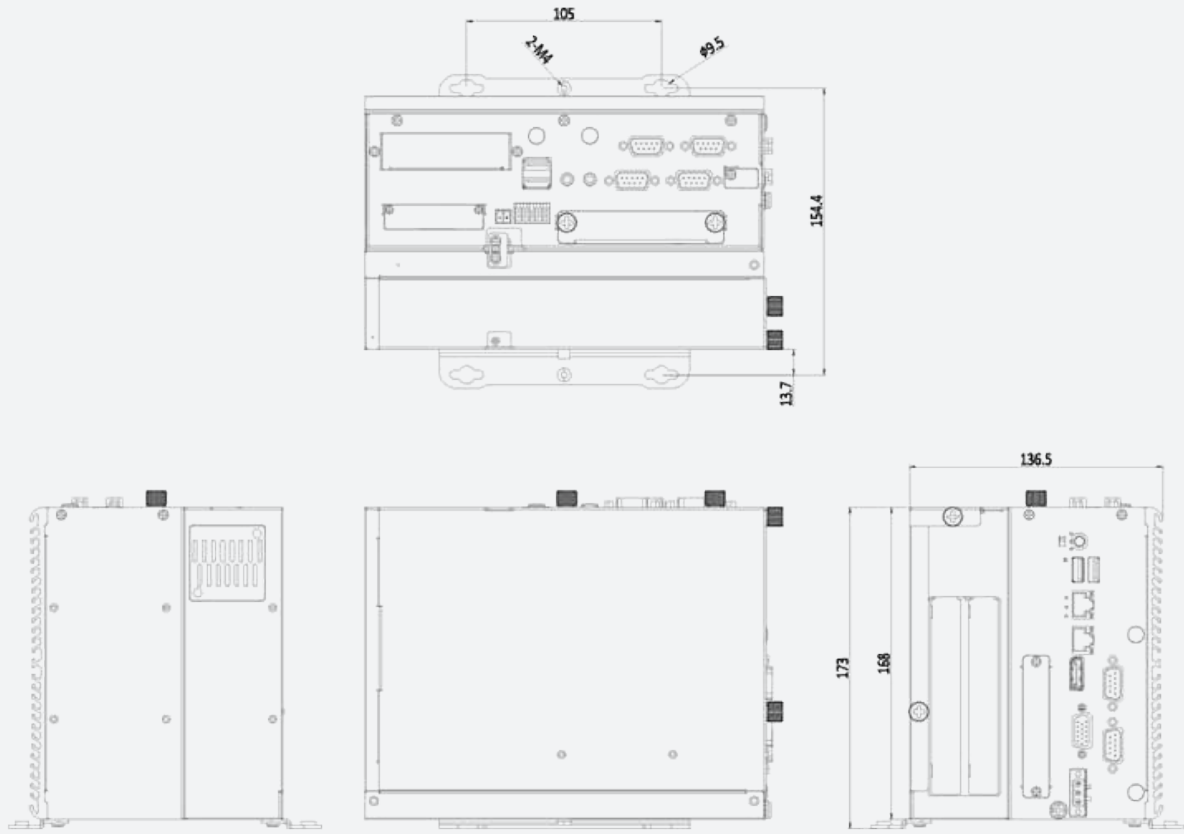
Dimensions MEVA-2110



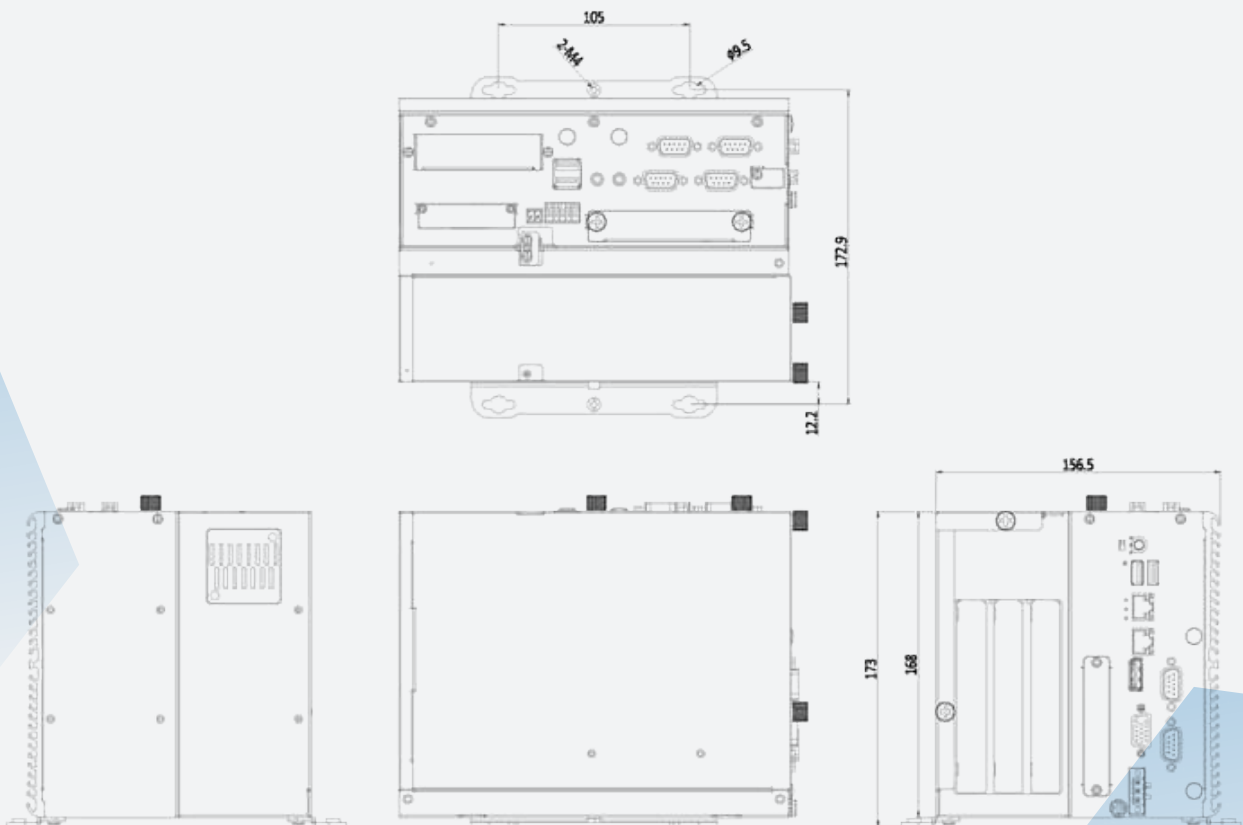
Dimensions MEVA-2111



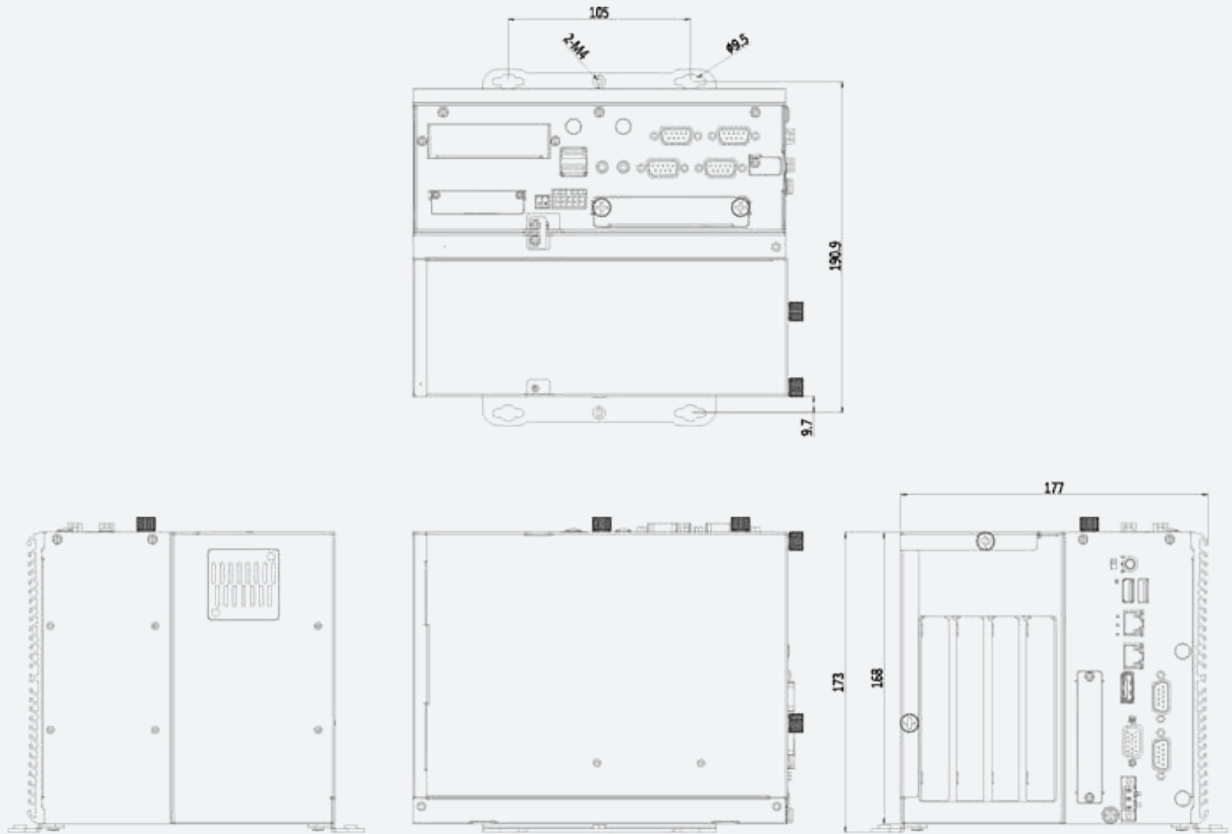
Dimensions MEVA-2112



Dimensions MEVA-2113



Dimensions MEVA-2114



Viewing



6 x RS232/422/485

2 x GbE Intel® I210-AT, RJ45

1 x VGA and 1 x DP

2 x USB 3.2 (Gen1)

