

PM-2100

Modular Fanless Box PC with Intel® Pentium® N4200 Processor



Applications

- Factory Automation
- Self-Service Kiosk
- Human Machine Interface (HMI)
- Warehouse Management
- iHealthcare

Features

- Intel® Pentium® N4200 Quad Core Processor
- Single Channel DDR3L-1866 SO-DIMM, Single, Max to 8GB
- Supports 1 x VGA, 1 x DP, and 1 x HDMI (Optional)
- Supports 2 x GbE LAN, 2 x COM and 4 x USB
- Supports one 2.5" SATA drive bay and mSATA
- 2 x Mini PCIe Expansion Slots
- 9~48V DC Input with Power Ignition Function
- -40°C~70°C Operating Temperature

Ordering Information

Part No.	Description
PM-2100	Intel® N4200 Rugged Box PC, 2 x USB3.2 Gen1, 2 x USB 2.0, 2 x R232/422/485, 2 x GbE, 1 x VGA, 1 x DP, Line out, Mic in, 1 x Removable 2.5" SATA HDD Bay, DC 9~48V, Terminal Block Connector
PM-2110S	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 HDD Bay, 1 x Flexible I/O window, DC 9~48V, Terminal Block Connector

Packing List

Description

1 x PM-2100 Series Machine

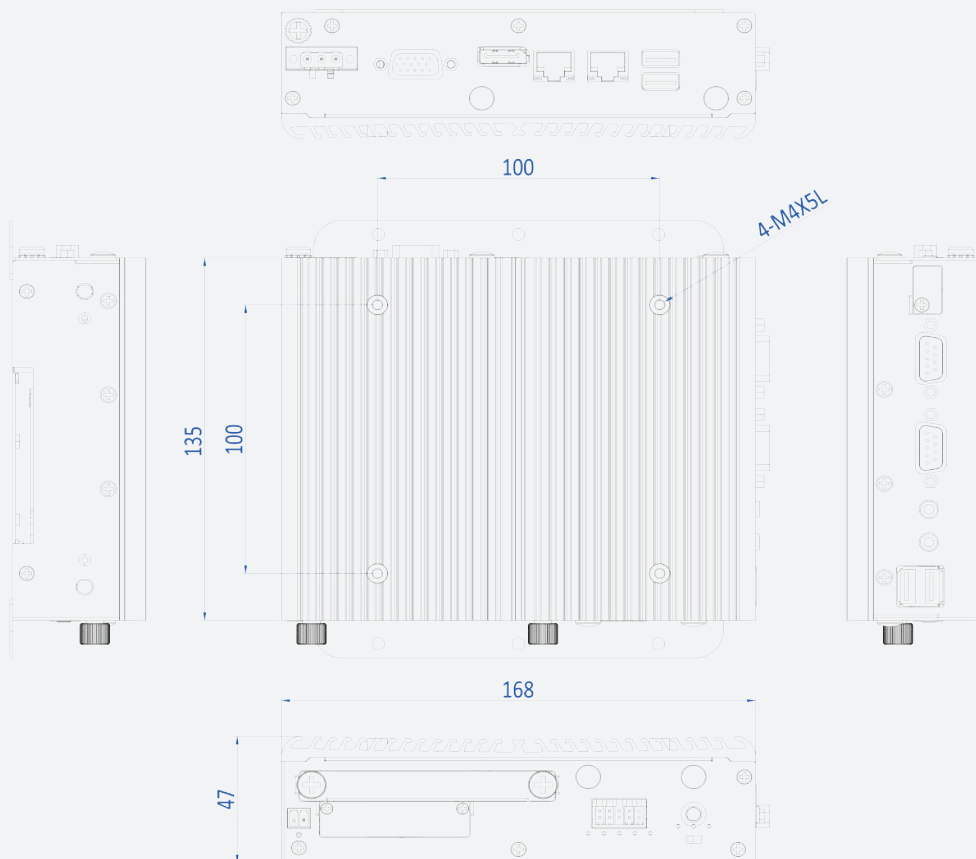
Optional Items

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 GST60A12-GAV 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, 180cm

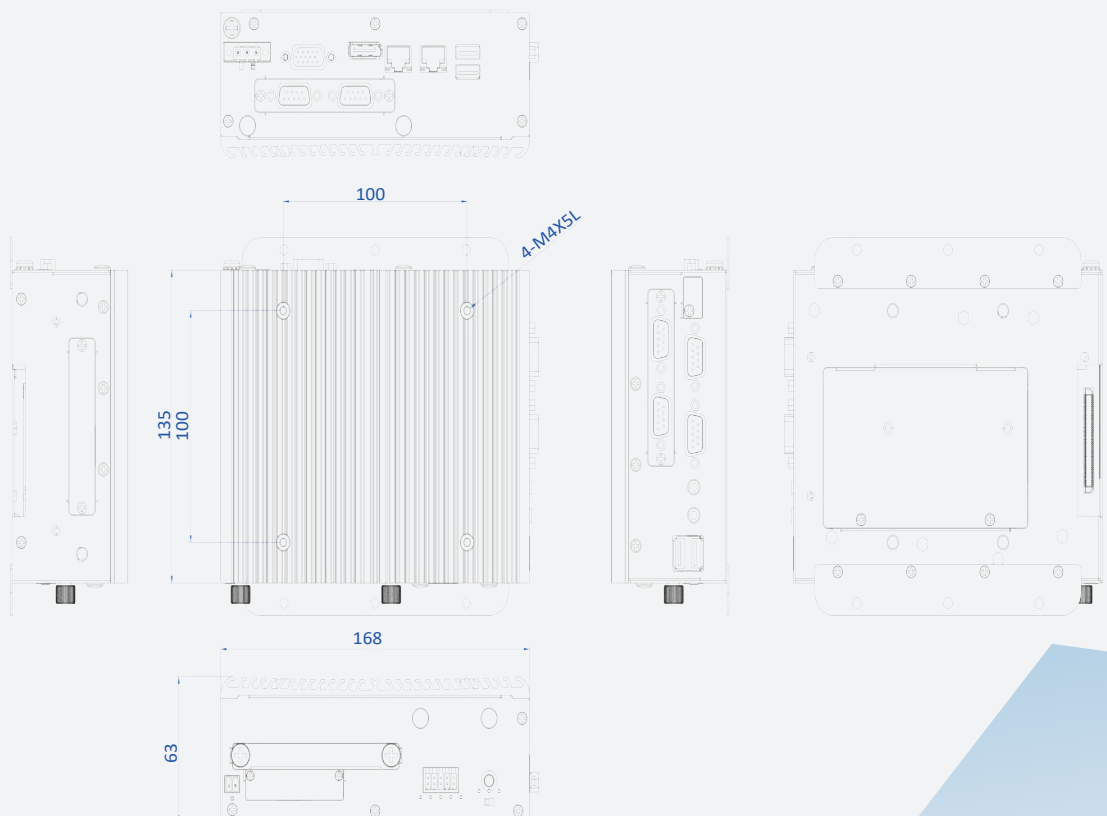
Specifications

Model		PM-2100	PM-2110S
Processor System	CPU	Intel® Pentium® N4200, 2.5GHz	
	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-1866MHz 204-Pin SO-DIMM Socket	
	Max. Capacity	Support up to 8GB (un-buffered and non-ECC)	
Display	Graphics Engine	Intel® HD Graphics 505	
	Multiple Display	3	
	VGA	1 x VGA, Max Resolution 1920 x 1200	
	DP	1 x DisplayPort 1.2a, 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	2 x RS232/422/485	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	0	1
Storage	2.5" HDD / SSD	1 x Removable 2.5" SATA HDD Bay	
	mSATA	1 x mSATA (Shared by 1 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 3-pin Terminal Block Connector	
	Power Adapter (Optional)	AC/DC, 12V/5A 60W	
	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	
Environment	Operating Temperature	-40°C ~ 70°C	
	Storage Temperature	-40°C ~ 80°C	
	Humidity	10%~90%, Non-condensing	
	Vibration	5Grms, 5-500Hz, 3Axis	
	Shock	50Grms, Half-sine 11ms	
General	Certification	CE/FCC Class A	
	Thermal Dissipation	Fanless system	
	Material	Extruded Aluminum with Heavy Duty Metal	
	Mounting	VESA Mounting (100 x 100mm)	
	Dimensions (W x D x H)	168 x 135 x 47mm	168 x 135 x 63 mm
	Net Weight	1.1kg	1.45kg
	Operating System	Windows 10 IoT, Windows 11 (IoT / Professional), Linux	

Dimensions PM-2100

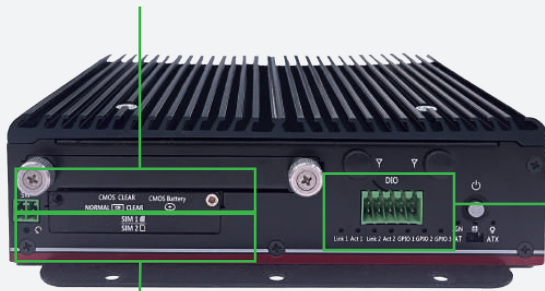


Dimensions PM-2110S



Viewing PM-2100

1 x Removable CMOS Battery and
1 x Removable Clear CMOS Switch



2 x SIM Holder

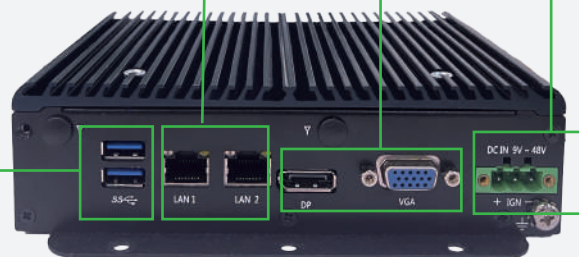
Isolated DI x 4 and DO x 4,
2 x 5-pin Terminal Block

9~48V DC Input
with Power Ignition Function

2 x GbE Intel® I210-AT, RJ45

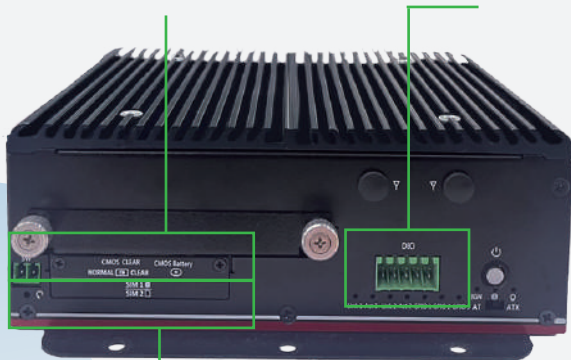
1 x VGA and 1 x DP

2 x USB3.0 (Gen 1)



Viewing PM-2110S

1 x Removable CMOS Battery and
1 x Removable Clear CMOS Switch



2 x SIM Holders

Isolated 4 x DI and 4 x DO,
2x5-pin Terminal Block

9~48V DC Input
with Power Ignition Function

2 x GbE Intel® I210-AT, RJ45

6 x RS232/422/485

2 x USB3.0 (Gen 1)

1 x VGA and 1 x DP

