PM-2000

Modular Fanlass Box PC with Intel® Celeron® J1900 Processor



Applications

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

Features

- Intel® Celeron® Processor J1900 Quad Core Processor
- 1 x DDR3L-1333 SO-DIMM, Single Channel, Max to 8GB
- Supports 1 x DP, 1 x VGA
- 2 x Intel® i210-AT Gigabit Ethernet port
- 2 x Mini-PCIe expansion slots
- 9~48V DC Input with Power Ignition Function
- -40°C to 70°C Operating Temperature
- Built-in Power Protection (OVP/OCP/RVP)

Ordering Information

Part No.	Description
PM-2000	Fanless Box PC with Intel® Celeron® J1900 Quad-core Processor, 1 x USB3.2 Gen 2, 4 x USB2.0, 2 x RS232/422/485, 2 x GbE, 1x DP, 1 x VGA, Line Out, Mic In, DC 9~48V, Terminal Block Connector

Packing List

Description
1 x PM-2000

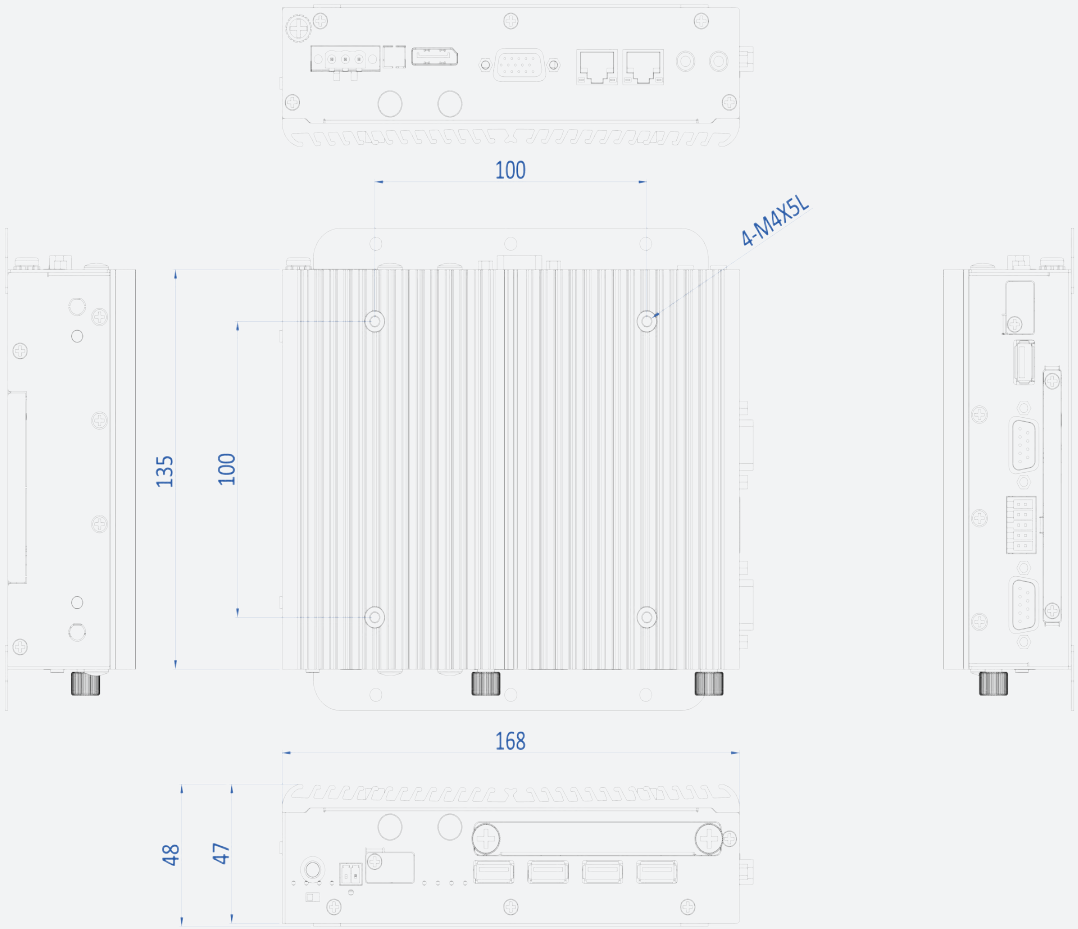
Optional Items

Part No.	Description
AWD-4G003	4G(LTE) EG25-G + 2 Antennas, Full Size (For Global)
AWD-WF001	Wi-Fi 802.11 bgn (1T1R) + 1 Antenna (Single Band), Half-size miniPCIe
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

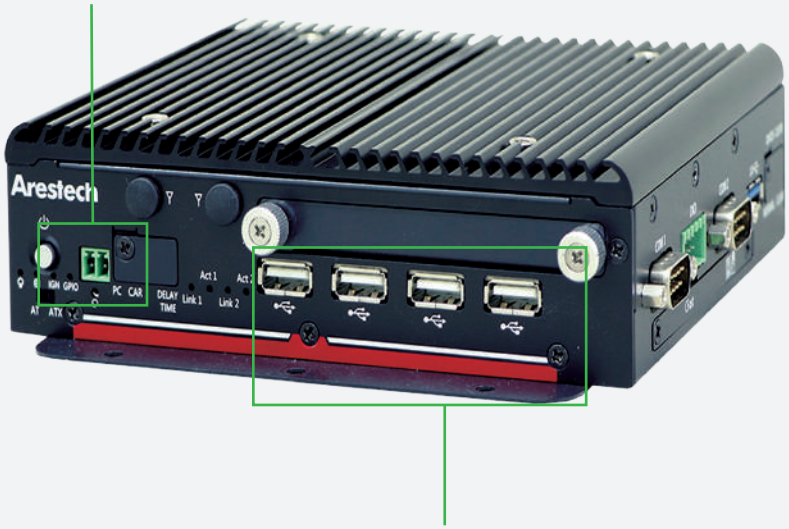
Model		PM-2000
Processor System	CPU	Intel® Celeron® J1900 Quad Core Processor
	Frequency	up to 2.42GHz
	System Chipset	N/A
	BIOS	AMI BIOS, 64Mbit SPI Flash ROM built on board
Memory	Technology	Single Channel DDR3L-1333MHz 204-Pin SO-DIMM Socket
	Max. Capacity	Support up to 8GB (unbuffered and non-ECC)
Display	DP	1 x DP (1920x1200)
	VGA	1 x VGA (2560x1600)
	DVI	N/A
I/O Interface	USB	1 x USB3.2Gen 2 and 4 x USB2.0
	Serial Port	2 x RS232/422/485 with Auto Flow Control, DB9
	GPIO	4 x Isolated DI and 4 x Isolated DO Port, 2x5-pin Terminal Block
	Ethernet	2 x GbE (2 x Intel® i210-AT GbE, Supporting Wake-on-LAN and PXE)
	Audio	Line Out, Mic In (Phone Jack 3.5mm)
	CMOS Battery	1 x Removable CMOS Battery
	Antenna Hole	6
	Flexible I/O Window Slot	0
	Others	1 x Power On/Off Button 1 x External Power On/Off Connector, 2-pin Terminal Block 1 x AT/ATX Mode Switch and 1 x PC/Car Mode Switch 1 x Clear CMOS Switch
Expansion	Mini-PCIe	1 x Full-size Mini-PCIe Socket (Mux with mSATA) 1 x Full-size Mini-PCIe Socket
	SIM Holder	2 x SIM Sockets
Storage	2.5" SATA HDD Bay	1 x Removable 2.5" SATA HDD Bay
	mSATA	1 x mSATA Socket (Mux with 1 x Mini-PCIe and CFast)
	CFast	N/A
Power	Power Mode	Support Hardware AT, ATX Power Mode
	Power Supply Voltage	9~48V DC Input
	Connector Type	1 x 3-pin Terminal Block Connector
	Power Ignition	Power Ignition Sensing
	Protection	Over Voltage Protection (OVP) up to 52V
		Reverse Voltage Protection (RVP) up to -48V
		Over Current Protection (OCP) 20A
	Power Adapter	1 x Optional AC/DC 12V/5A, 60W Power Adapter
Mounting	Type	VESA Mounting (100 x 100mm)
Environment	Operating Temperature	-40~70° C
	Storage Temperature	-40~80° C
	Humidity	10%~80%, 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
	Thermal Dissipation	Fanless System
	Material	Extruded Aluminum with Heavy Duty Metal
General	Dimensions (W x H x D)	168 x 47 x 135mm
	Net Weight	1.15kg
	Operating System	Windows 10 IoT, Linux

Dimensions



Viewing

9~48V DC Input with Power Ignition Function



4 x USB2.0