

Powerful. Beautiful.

Excellence · Innovation

PC6010

PC6012



Shanghai Panelmate Electronics Co., Ltd.

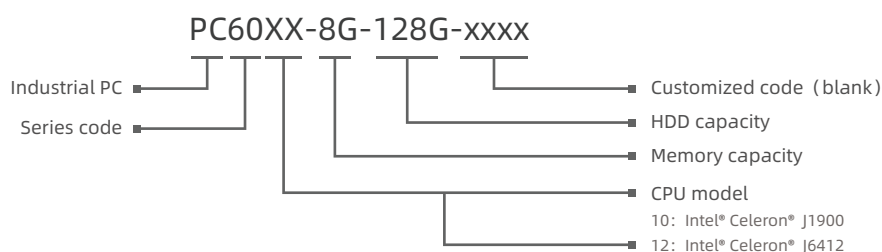
PC60XX miniBOX Fanless Box PC



Features

- Compact aluminium-magnesium alloy profile housing, Large aluminium fins design to ensure the reliability and heat dissipation
- Din rail mounting
- 3 x USB, 1 x RS485 + 1 x RS232
- Support EtherCAT protocol
- Intel® Celeron® J6412 and Intel® Celeron® J1900 processor optional
- Extendable WIFI/4G
- Fanless, operating temperature -20~70°C
- DC 9~36V

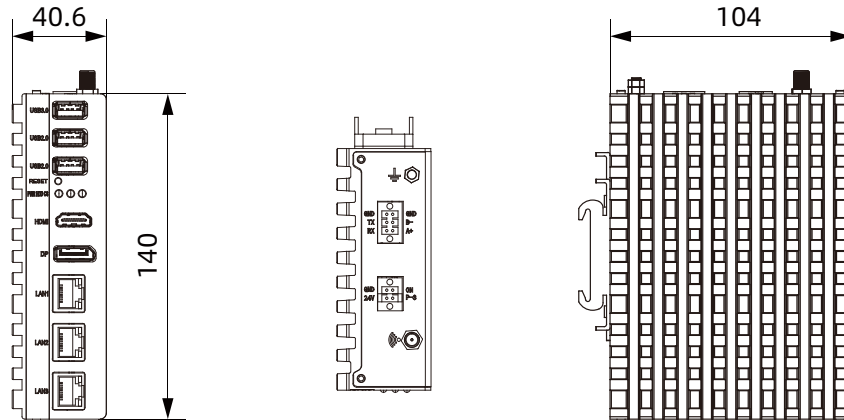
Namely Rule



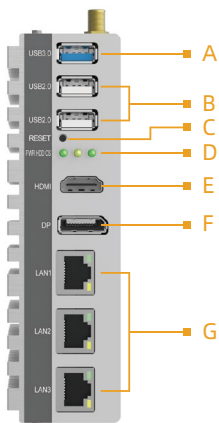
Specifications

Model		PC6010	PC6012
Processor	CPU	Intel® Celeron® J1900	Intel® Celeron® J6412
	Frequency	Quad Core 2.42GHz	Quad Core 2.60GHz
	Cache	2MB	1.5 MB
	Memory	1 x SO-DIMM DDR3L 1333 Max: 8GB	1 x SO-DIMM DDR4 3200MT Max: 32GB
	Storage	1 x mSATA	
I/O	Network (LAN)	2 x Intel 8111 Gbe LAN + 1 x Intel i210 Gbe LAN	2 x Intel i210 Gbe LAN + 1 x Intel i226-V Gbe LAN
	USB	1 x USB3.0 + 2 x USB2.0	
	COM	1 x RS232, 1 x RS485	
	Pilot Lamp	1 x Power light, 1 x HDD light, 1 x Status light	
	Input Voltage	DC 9~36V, 4 pin terminal	
Interface	HDMI	Support max resolution:2560*1600 @60Hz	Support max resolution:4096*2160 @60Hz
	DP	Support max resolution:1920*1080 @60Hz	Support max resolution:3840*2160 @60Hz
OS	Operation System	Windows 7, Windows 10, Linux, etc	Windows 10, Linux, etc
Physical	Dimension (WxHxD)	140mm x 40.6mm x 104mm (5.51" x 1.60" x 4.09")	
	Box Structure	Compacted aluminium-magnesium alloy profile housing, seal and dust-proof design, GND protection	
	Mounting	DIN rail	
	Power	25W	
Environment	Operating Temperature	-20~70°C	
	Storage Temperature	-40~80°C	
	Relative Humidity	5~95% (Non condensation)	
	Shock	Operating 10G peak acceleration(11 ms duration), follow IEC 60068-2-27	
	Vibration	Operating Random Vibration Test: 5~500HZ, 1Grms@with HDD; 2Grms@with SSD, follow IEC 60068-2-64	
EMC	CE/FCC Class A		

Technical Drawings unit: mm



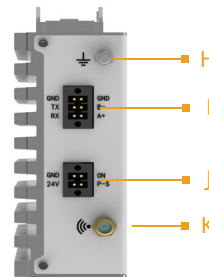
External I/O View



Interface definition:

- A: 1 x USB3.0
- B: 2 x USB2.0
- C: RESET
- D: Status light:
power light, HDD light, status light
- E: HDMI
- F: DP
- G: 3 x LAN

Front view interface



Interface definition:

- H: GND
- I: 1 x RS232, 1x RS485
- J: DC IN
- K: Wifi antenna

Top view interface

Ordering Information

Part Number	Description
PC6012	CPU:Null, RAM: Null, mSATA: Null, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0 1xHDMI, 1xDP, DC 9~36V power input
PC6010-4G-128G	CPUI: Intel® Celeron® J1900, RAM: 4G, mSATA: 128G, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0, 1xHDMI, 1xDP, DC 9~36V power input
PC6012-4G-128G	CPUI: Intel® Celeron® J6412, RAM: 4G, mSATA: 128G, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0, 1xHDMI, 1xDP, DC 9~36V power input

Optional Accessories

RAM (J1900)	DDR3L 1333, 4GB, 8GB
RAM (J6412)	DDR4-2400MHZ, 4GB, 8GB, 16GB, 32GB
Msata	64GB, 128GB, 256GB, 512GB, 1TB

Packing List

Terminal	4pin phoenix terminal
Terminal	6pin phoenix terminal

Note: Package contents are subject to change without prior notice