

Powerful. Beautiful.

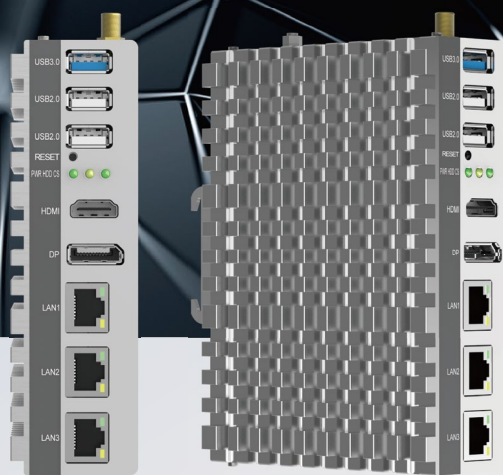
Excellence · Innovation

PC6010

PC6012

PC6015

PC6017



Shanghai Panelmate Electronics Co., Ltd.

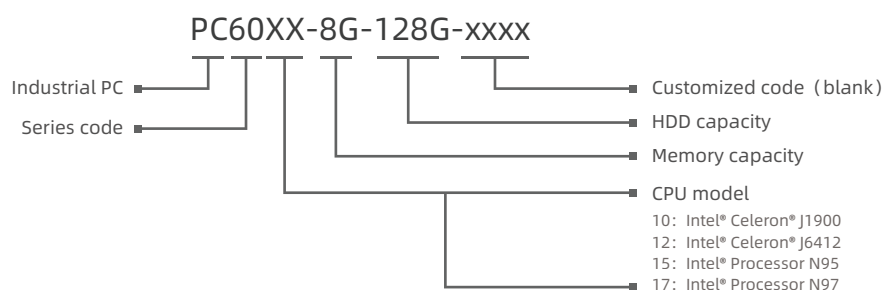
PC60XX Intel Series miniBOX Fanless Box PC



Features

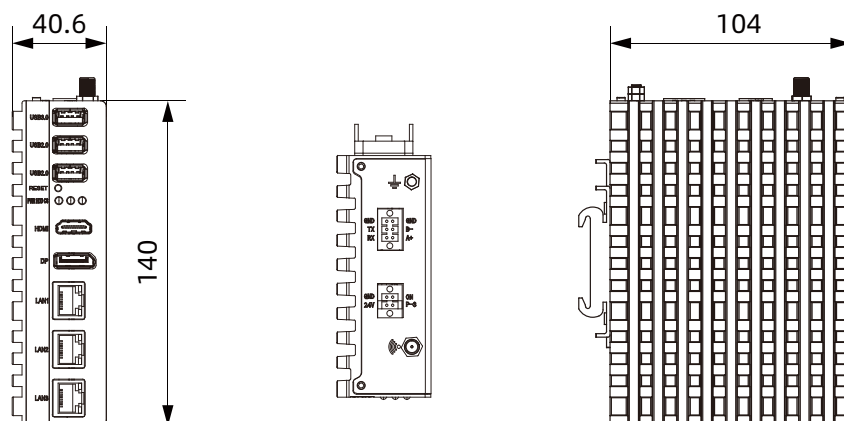
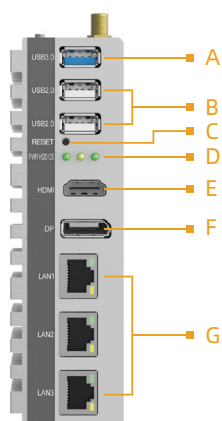
- Compact aluminium-magnesium alloy profile housing, Large aluminium fins design to ensure the reliability and heat dissipation
- Din rail mounting
- 3 x USB, 1 x RS485 + 1 x RS232
- Support EtherCAT protocol
- Processor: Intel® Celeron® J6412, Intel® Celeron® J1900, Intel® Processor N95, Intel® Processor N97
- Extendable WIFI/4G
- Fanless, operating temperature -20~70°C
- DC 12~36V

Namely Rule



Specifications

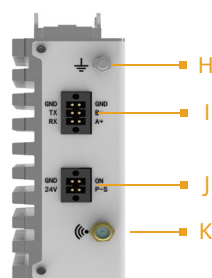
Model		PC6010	PC6012	PC6015	PC6017
Processor	CPU	Intel® Celeron® J1900	Intel® Celeron® J6412	Intel® Processor N95	Intel® Processor N97
	Frequency	Quad Core 2.42GHz	Quad Core 2.60GHz	Quad Core 3.40GHz	Quad Core 3.60GHz
	Cache	2MB	1.5 MB	6 MB	6 MB
	Memory	1 x SO-DIMM DDR3L 1333 Max: 8GB	1 x SO-DIMM DDR4 3200MT Max: 32GB	1 x SO-DIMM DDR4 3200MT Max: 32GB	1 x SO-DIMM DDR4 3200MT Max: 32GB
	Storage	1 x mSATA			
I/O	Network (LAN)	3 x RJ45			
	USB	1 x USB3.0 + 2 x USB2.0	1 x USB3.0 + 2 x USB2.0	3 x USB3.0	3 x USB3.0
	COM	1 x RS232, 1 x RS485			
	Pilot Lamp	1 x Power light, 1 x HDD light, 1 x Status light			
	Input Voltage	DC 12~36V, 4 pin terminal			
Interface	HDMI	Support max resolution:2560*1600 @60Hz	Support max resolution:4096*2160 @60Hz	Support max resolution:4096*2160 @60Hz	Support max resolution:4096*2160 @60Hz
	DP	Support max resolution:1920*1080 @60Hz	Support max resolution:3840*2160 @60Hz	Support max resolution:3840*2160 @60Hz	Support max resolution:1920*1080 @60Hz
OS	Operation System	Windows 7, Windows 10, Linux, etc	Windows 10, Windows 11, Linux, etc	Windows 10, Windows 11, Linux, etc	Windows 10 64bit, Windows11 64bit, 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


Front view interface

Interface definition:

- A: 1 x USB3.0
 B: 2 x USB2.0 (N95: 2 x USB3.0)
 C: RESET
 D: Status light:
 power light, HDD light, status light
 E: HDMI
 F: DP
 G: 3 x RJ45



Top view interface

Interface definition:

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

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, 1 x HDMI, 1 x DP, DC 12~36V power input
PC6010-4G-128G	CPU: Intel® Celeron® J1900, RAM: 4G, mSATA: 128G, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0, 1 x HDMI, 1 x DP, DC 12~36V power input
PC6015-8G-128G	CPU: Intel® Processor N95, RAM: 8G, mSATA: 128G, 1 x RS232, 1 x RS485, 3 x LAN, 3 x USB3.0, 1 x HDMI, 1 x DP, DC 12~36V power input
PC6017-8G-128G	CPU: Intel® Processor N97, RAM: 8G, mSATA: 128G, 1 x RS232, 1 x RS485, 3 x LAN, 1 x USB3.0, 2 x USB2.0, 1 x HDMI, 1 x DP, DC 12~36V power input

Optional Accessories

RAM (J1900)	DDR3L 1333, 4GB, 8GB
RAM (J6412 & N95&N97)	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