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PC6005

Shanghai Panelmate Electronics Co., Ltd.

PC6005 Raspberry miniBOX Fanless Box PC

POWERED BY Raspberry Pi

PANELMATE
Creative HMI Solution

PC6005

PANELMATE
Creative HMI Solution

Features

- Compact aluminium-magnesium alloy profile housing, Large aluminium fins design to ensure the reliability and heat dissipation
- Din rail mounting
- 2 x RJ45
- 2 x USB3.0，1 x USB2.0
- Built-in UPS uninterruptible power supply
- RTC real-time clock
- Support LINUX
- DC 12~36V

Namely Rule

PC6005-2G-8G-xxxx

- Industrial PC
- Series code
- CPU model
  - 05：Raspberry PI CM5
- Customized code（blank）
- HDD capacity（8G/16G/32G）
- Memory capacity（2G/4G/8G）

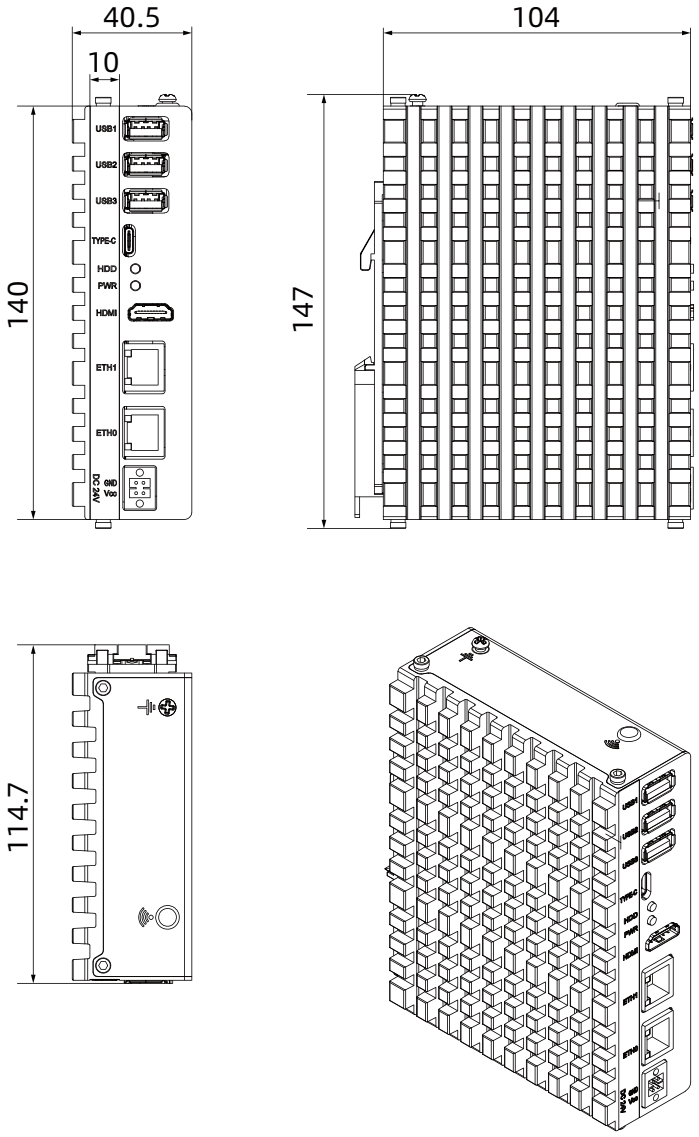
Specifications

Model		PC6005
Processor	CPU	Broadcom BCM2712 quad-core 64-bit Arm Cortex-A76 (Armv8) SoC @ 2.4GHz
	Memory	Default 2G, up to 8 GB
	Storage	Default 16G, up to 32GB
I/O	Network (LAN)	2 x 1000Mbps (1 x Internal +1 x RTL8111H) Ethernet Controllers
	USB	2 x USB3.0 + 1 x USB2.0 + 1 x Type-C
	Output	HDMI
	Pilot Lamp	1 x Power light，1 x HDD light
	Input Voltage	DC 24V，4 pin terminal
OS	Driver Support	Ubuntu，Ubuntu Mate
Physical	Dimension (WxHxD)	147mm x 114.7mm x 40.5mm（5.79" x 4.52" x 1.59"）
	Box Structure	Compacted aluminium-magnesium alloy profile housing, seal and dust-proof design,GND protection
	Mounting	DIN rail
	Power	15W
Environment	Operating Temperature	0~60℃
	Storage Temperature	-20~75℃
	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

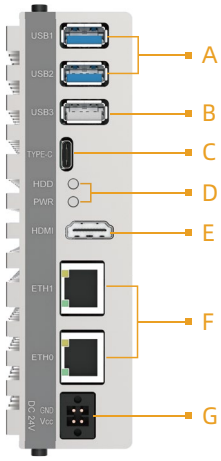
All product specifications are subject to change without notice

Last updated:Apr-2025

Technical Drawings unit: mm



External I/O View



Interface definition:

A: 2 x USB3.0

B: 1 x USB2.0

C: Type-C

D: status indic ator lamp

E: HDMI

F: 2 x RJ45

G: DC IN

Frontal view interface

Interface definition:

H: GND

I: radio frequency interface

Top view interface

Ordering Information

Part Number	Description
PC6005-2G-8G	CPU：Broadcom BCM2712 Arm Cortex-A76，RAM：2G，eMMC：8G，2 x LAN，3 x USB，1 x Type-C，1xHDMI，DC 12~36V

Packing List

Terminal	4 pin terminal

Note: Package contents are subject to change without prior notice