7" INDUSTRIAL PANEL PC | PPC-4107



FEATURES

- NXP i.MX6 Application Processor with Long Life Cycle Support
- One Gigabit Ethernet Port, Support 802.3af PoE
- 7" LCD Panel with 3mm Tempered Glass Projected Capacitive Touch Screen
- On-board WiFi Module and Bluetooth BLE
- Internal RS232/RS485, CAN and GPIO Port Header for Expansion
- Wall Mount Bracket for In-wall Mounting Applications
- Support Android 6.0.1, Debian Linux and Yocto Embedded Linux

The PPC-4107 is an all-in-one wall mount industrial Panel PC with a 1024x600 frameless touch screen. The system equips with high performance NXP i.MX6 application processor. The on-board Gigabit Ethernet support 802.3af (PoE Power over Ethernet) make it perfect for home and building automation, HVAC monitoring and control, and interactive IoT applications

SPECIFICATIONS

RUGGEDNESS

Protection	3mm Tempered Glass Edge to Edge, Front Panel IP65 Compliant

SYSTEM

Processor	NXP i.MX6 1GHz Dual Lite or Quad
Platform	ARM Cortex A9
Memory	1GB On-board DDR3
Storage	On-board NAND Flash (8GB Default)
OS	Support Android 6.0.1, Embedded Linux 3.14, Debian 8

DISPLAY

Screen Size	7" TFT Active Matrix LED Backlight
Resolution	1024 x 600
Brightness	350 nits
View Angle	75° (Left), 75° (Right), 70° (Top), 75° (Bottom)
Contrast Ratio	800 : 1
Backlight Lifetime	15,000 Hr (Typical)
Touch Type	Projected Capacitive Touch Screen
Touch Controller	I²C
Display Interface	LVDS

COMMUNICATIONS

Ethernet	1 x Gigabit Ethernet, RJ45, Support 802.3af PoE Power Input
Wi-Fi	On-Board WiFi 802.11 b/g/n
Bluetooth	Bluetooth BLE

POWER

Input Voltage	9V-24V DC or PoE

I/O INTERFACE

Audio	2 x 1W Speaker, Option of Front or Rear
Watchdog Timer	Built-in
RTC	Support RTC Backup Battery
I/O Ports	2 x RS232 (optional) 1 x RS485/CAN (optional) 1 x SPI (optional) 1 x I²C (optional) and Up to 10 x GPIOs Viainternal Header (optional) 1 x USB 2.0 Type A

MECHANICAL

Enclosure Material	Steel + Aluminum
Enclosure Color	Black or White
Dimensions	190 x 126 x 40.5mm (7.48" x 4.96" x 1.59")
Mounting Option	Wall Mount or 75 x 75mm VESA Mount with Bracket
Cooling	Fanless

ENVIRONMENTAL

Temperature:	
- Operation	0°C to 60°C (32°F to 140°F)
- Storage	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90% @ 40°C Non-condensing

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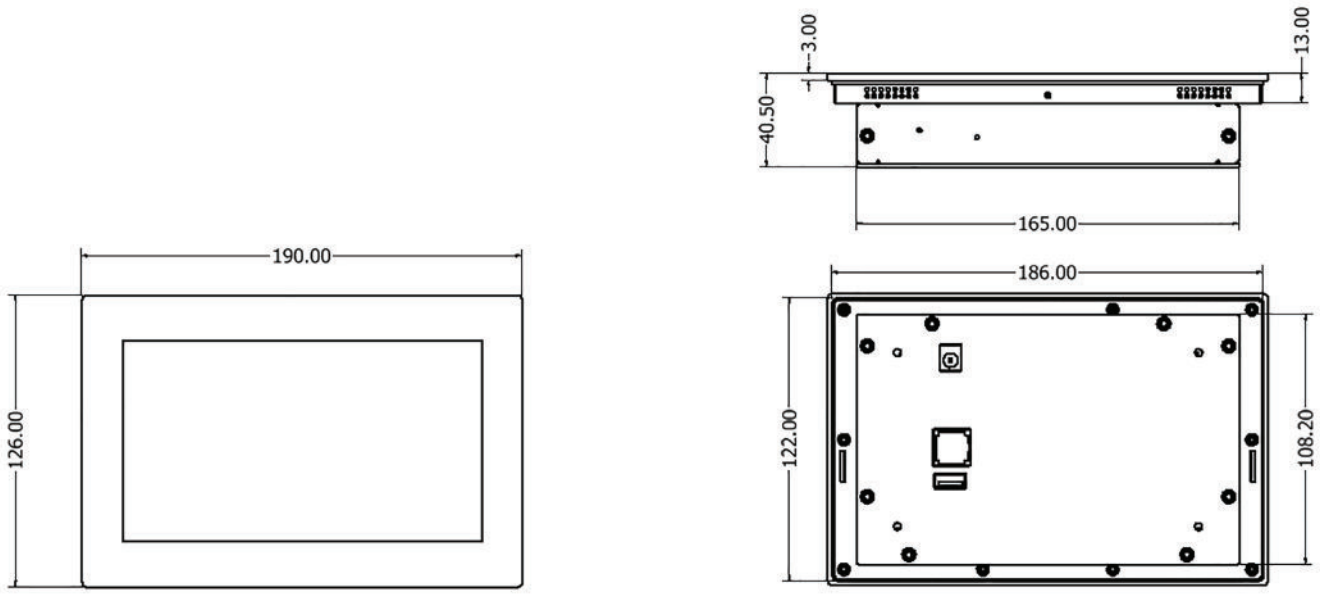
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SYSTEM LAYOUT



PRODUCT DIMENSIONS

Unit: mm



ORDER INFORMATION

Part No.	Description
PPC-4107-DLP	7" Panel PC / HMI with i.MX6 DL Processor, Capacitive Touch Screen, Single GbE, PoE and DC Power Input
PPC-4107-QP	7" Panel PC / HMI with i.MX6 Q Processor, Capacitive Touch Screen, Single GbE, PoE and DC Power Input

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