



## 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
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### 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
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### I/O INTERFACE

Audio	2 x 1W Speaker, <b>Option of Front or Rear</b>
Watchdog Timer	Built-in
RTC	Support RTC Backup Battery
I/O Ports	2 x RS232 1 x RS485/CAN 1 x SPI 1 x I²C and Up to 10 x GPIOs Via internal Header 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")
<b>Mounting Option</b>	Wall Mount or 75 x 75mm VESA Mount with Bracket
Cooling	Fanless

### ENVIRONMENTAL

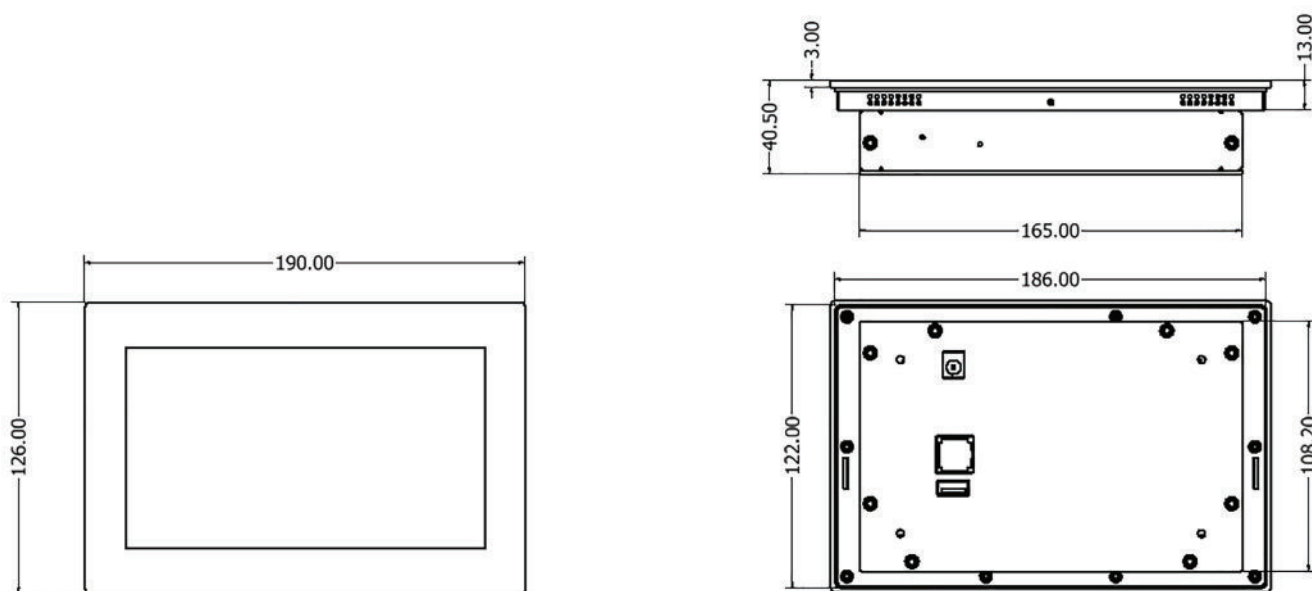
Temperature:	
- Operation	0°C to 60°C (32°F to 140°F)
- Storage	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90% @ 40°C Non-condensing

## 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