FEATURES

- 10.1" LCD Panel With Projected Capacitive Touchscreen
- NXP i.MX6 Application Processor
- 2x Gigabit Ethernet Ports, 1x 802.3af PoE option
- Android 6.0.1, Debian Linux & Yocto Embedded Linux
- On-board Wi-Fi Module & Bluetooth 4.1 BLE
- NFC, Camera, Customizable Buttons & Light Sensor Options
- RS-232, RS-422/485 & CAN Bus Port Options

The PPC-4210 is an all-in-one industrial panel PC with a 1280 x 800 touchscreen. The system is equipped with high a performance NXP i.MX6 processor. The dual Gigibit Ethernet with 802.3af PoE (Power over Ethernet) option makes it perfect for industrial control, building automation, HMI, vending machines and interactive IoT applications.

SPECIFICATIONS

SYSTEM

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

DISPLAY

Interface	LVDS
Display Type	TFT Active Matrix LED Backlight
Screen Size	10.1"
Resolution	1280 x 800
Luminance	350 cd/m2
View Angle	85°
Contrast Ratio	800:1
Backlight Lifetime	15,000 Hr (Typical)
Touch Screen	Projected Capacitive Touch Screen
Touch Controller	I²C

COMMUNICATIONS

Ethernet	2x Gigabit Ethernet RJ-45
	Option:
	802.3af PoE with Module
Wi-Fi	802.11 b/g/n
Bluetooth	BLE 4.1
	Internal Antenna Connector

I/O INTERFACE

Audio (Option)	2x 2.1W Speakers
Ports	1x RS-232 via Terminal Block
	1x RS-485/CAN via Terminal Block
	2x GPIO via Terminal Block
	1x RS-232 via Internal Header
	1x GPIOs via Internal Header
	1x RS-485/CAN via Internal Header
	1x SPI via Internal Header
	1x I²C via Internal Header
	2x USB 2.0 Type A
	2x USB 2.0 Pin Header

MECHANICAL

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Cooling	Fanless
Watchdog Timer	Built-in
RTC	Supports RTC Battery Backup
Enclosure Material	Plastic and Metal
Enclosure Color	Black
Mounting	75 x 75 mm VESA Mount
Dimensions	264mm x 177.2mm x 35.5mm (10.39" x 6.97" x 1.39")

ENVIRONMENTAL

Protection	Front Panel IP65
	3mm Tempered Glass, Edge to Edge
Operating Temp	0°C to 60°C (32°F to 140°F)
Storage Temp	-40°C to 85°C (-40°F to 185° F)
Humidity	10% to 95% (Non-condensing)

*Specifications are representative. Specific product technology may be different than indicated.

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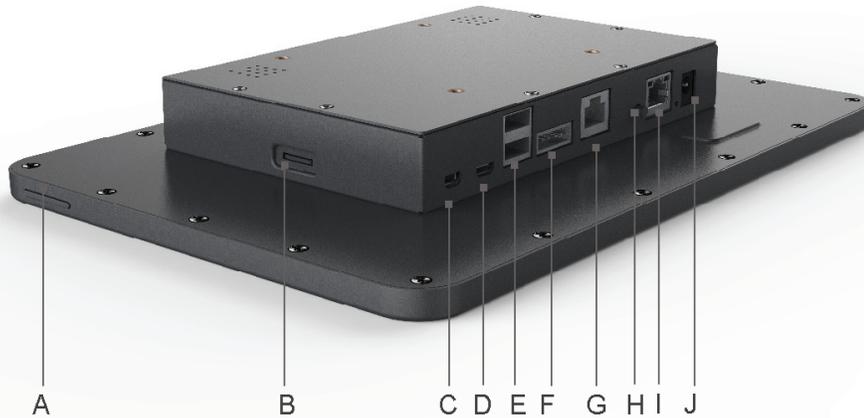
A. LED Lightbar Option

B. Micro SD

C. mini-HDMI

D. USB 2.0 OTG

E. 2 x USB 2.0

F. 2 x GPIO, 1x RS-232/485/CAN

G. Ethernet 1 with POE ready

H. Reset Button (GPIO)

I. Ethernet 2 (optional)

J. 9-36V DC In
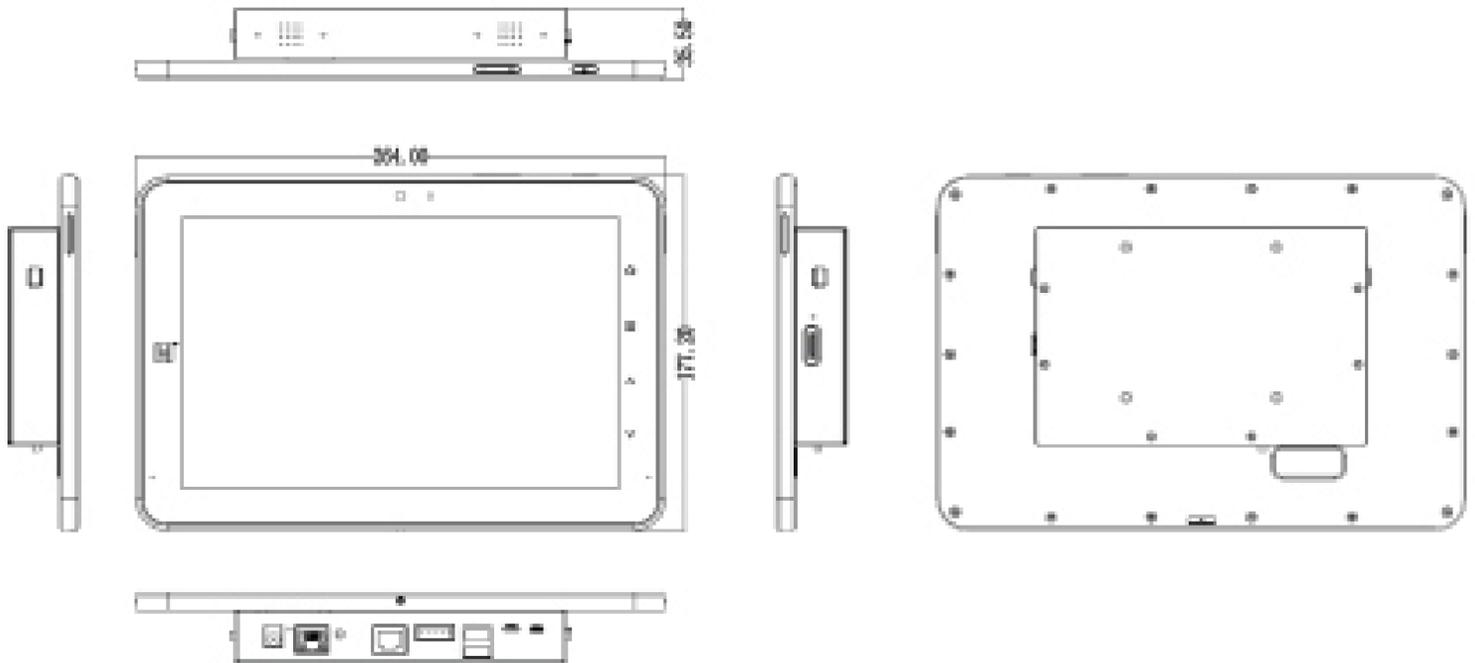
ORDER OPTIONS

PART NUMBER	DESCRIPTION
PPC-4210-DLS	10.1" Panel PC / HMI with i.MX6 DL processor, capacitive touchscreen, single GbE, DC power input
PPC-4210-DLP	10.1" Panel PC / HMI with i.MX6 DL processor, capacitive touchscreen, single GbE, POE power input
PPC-4210-DLT	10.1" Panel PC / HMI with i.MX6 DL processor, capacitive touchscreen, dual GbE, DC power input
PPC-4210-QPT	10.1" Panel PC / HMI with i.MX6 Q processor, resistive touchscreen, dual GbE, DC power input

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