

Powerful. Beautiful.  
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PI21101  
PI22101  
PI24101



## Shanghai Panelmate Electronics Co., Ltd.

10.1" WXGA Raspberry Panel PC

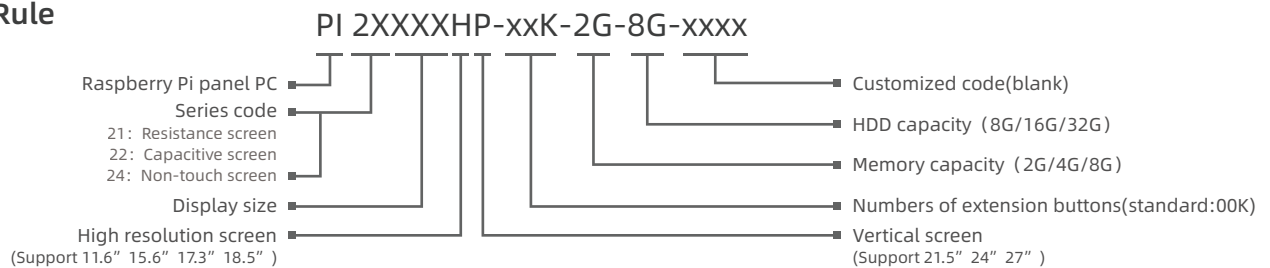




## Features

- Display type: 10.1", 10.4", 11.6", 12.1", 12.2", 15", 15.6", 17", 17.3", 18.5", 19", 21.5", 24", 27"
- Front panel/back cover: Aluminium-magnesium alloy
- Front panel/Rear: IP65 / IP20
- Screen Type: Single point resistive touchscreen, Multi-point capacitive touchscreen, Non-touch screen
- Built-in UPS power supply
- RTC real-time clock
- OS: LINUX or Raspberry PI
- Interface: HDMI, Type-C, 4xUSB and 2xCAN
- DC 24V

## Namely Rule

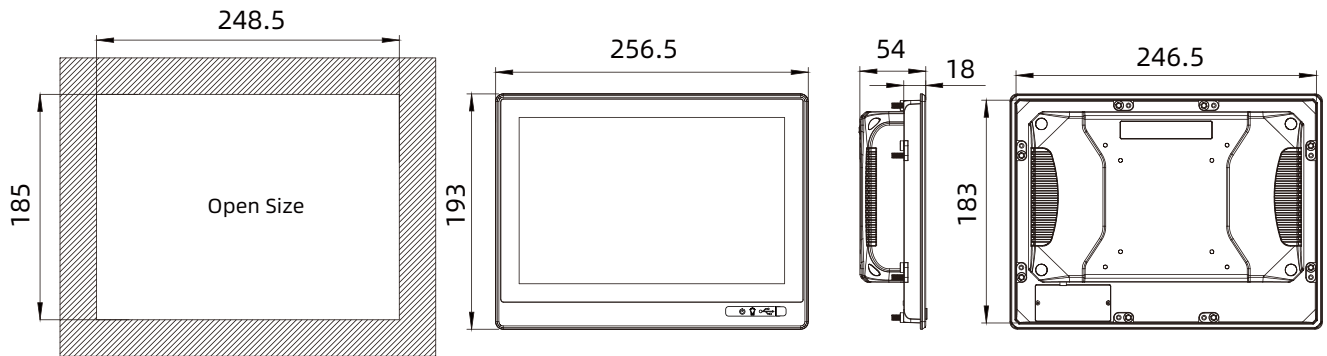


## Specifications

Model	PI21101&PI22101&PI24101	
Processor	CPU	Broadcom BCM2711 1.5 GHz,64-bit,4 cores,ARM Cortex-A72
	Memory	2G (Deafult) /4G/8G optional
	Storage	8G eMMC (Deafult) /16G/32G eMMC optional
I/O	LAN	1 x 1000Mbps, BCM54210PE; 1 x 100Mbps, SR9900AI
	USB	1 x Micro USB, 4 x USB 2.0
	CAN	2 x CAN
	Display Port	HDMI
Power	Input Voltage	DC 24V
	Power	15W
Physical	Dimension (WxHxD/mm)	256.5 x 193 x 54 (10.10" x 7.60" x 2.13")
	Open Size (WxH/mm)	248.5 x 185 (9.78" x 7.28")
	Net Weight(kg)	1.7kg
	Mounting	Embedded,Wall-mounted, desktop, VESA
LCD	Display Type	10.1" WXGA TFT
	Resolution	1280 x 800
	Colors	16.7M
	Active Area (WxH/mm)	216.96 x 135.60 (8.54" x 5.34")
	Backlight	LED
	MTBF (hour)	30000hrs
	Pixel Pitch (HxV)	0.1695 x 0.1695
	Luminance(cd/m2)	400
	Contrast Ratio	800:1
Viewing Angle	(L)85 / (R)85 / (U)85 / (D)85	
Touchscreen	Touch Type	Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen
	Light Transmission	>85%
	Controller	USB interface
	Driver Support	Ubuntu, Ubuntu Mate
	Multi-touch	10 points (LINUX)
	Surface Hardness	Resistive touchscreen: Mohs' Number>= 3H; Capacitive touchscreen: Mohs' Number 7H
Environment	Operating Temperature	-20 ~ 70°C
	Storage Temperature	-30 ~ 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
Front Panel Protection	IP65	

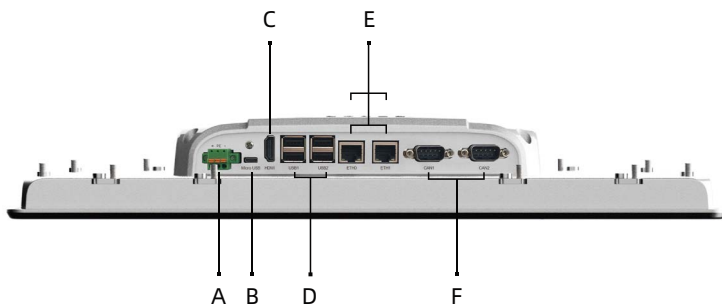
## PI21101 & PI22101 & PI4101

### Technical Drawings unit: mm



Panel Cutout Dimensions: 248.5 x 185mm (9.78 x 7.28in)

### External I/O View



Interface definition:

- A: DC IN
- B: Micro USB
- C: HDMI
- D: 4 x USB2.0
- E: 2 x Ethernet LAN
- F: 2 x CAN

### Ordering Information

Part Number	Description
PI21101	10.1" TFT LCD / Resistive touch screen / DC 24V / Resolution 1280 x 800 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB
PI22101	10.1" TFT LCD / Capacitive touch screen / DC 24V / Resolution 1280 x 800 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB
PI4101	10.1" TFT LCD / Non-touch screen / DC 24V / Resolution 1280 x 800 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB

### Packing List

Terminal	3pin spring clamp terminal
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Note: Package contents are subject to change without prior notice