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PI21150
PI22150
PI24150



Shanghai Panelmate Electronics Co., Ltd.

15" XGA Raspberry Panel PC





Features

- Display type: 10.1", 10.4", 12.1", 12.2", 15", 15.6", 17", 18.5", 19", 21.5"
- 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

PI 2XXXXHP-xxK-2G-8G-xxxx

Raspberry Pi panel PC
Series code
21: Resistance screen
22: Capacitive screen
24: Non-touch screen

Display size

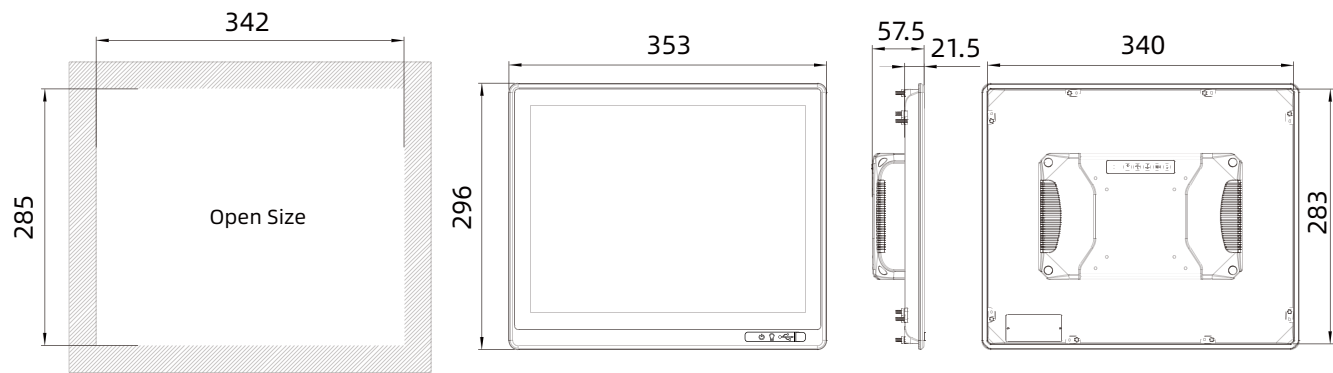
(Support 15.6" 18.5")High resolution screen

- Customized code(blank)
- HDD capacity (8G/16G/32G)
- Memory capacity (2G/4G/8G)
- Numbers of extension buttons(standard:00K)
- Vertical screen(Support 21.5" 27")

Specifications

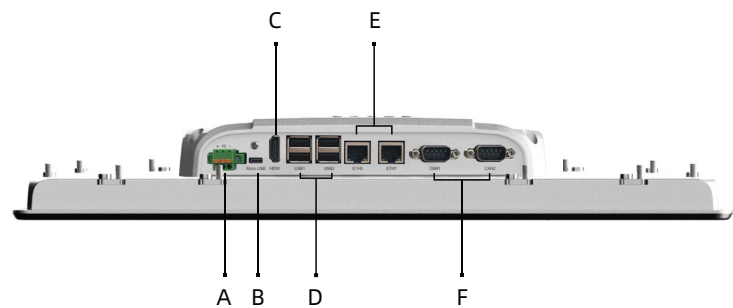
Model		PI21150&PI22150&PI24150
Processor	CPU	Broadcom BCM2711 1.5 GHz, 64-bit, 4 cores, ARM Cortex-A72
	Memory	2G (Default) /4G/8G
	Storage	8G eMMC (Default) /16G/32G eMMC
I/O	LAN	1 x 1000Mbps, BCM54210PE; 1 x 100Mbps, SR9900AI
	USB	1 x Micro USB, 4 x USB 2.0
	CAN	2 x CAN
	Display Port	HDMI
Power	Input Voltage	DC 24V
	Power	21W
Physical	Dimension (WxHxD/mm)	353 x 296 x 57.5 (13.90 x 11.65 x 2.26)
	Open Size (WxH/mm)	342 x 285 (13.46" x 11.22")
	Net Weight(kg)	3.65kg
	Mounting	Embedded, Wall-mounted, Desktop, VESA
LCD	Display Type	15" XGA TFT
	Resolution	1024 x 768
	Colors	16.7M
	Active Area (WxH/mm)	304.1 x 228.1 (11.97" x 8.98")
	Backlight	LED
	MTBF (hour)	50000hrs
	Pixel Pitch (HxV)	0.297 x 0.297
	Luminance(cd/m2)	400cd/m2
	Contrast Ratio	800:1
	Viewing Angle	(L)80 / (R)80 / (U)80 / (D)80
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	-10 ~ 65°C
	Storage Temperature	-20 ~ 70°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

Technical Drawings unit: mm



Panel Cutout Dimensions: 342 x 285mm (13.46 x 11.22in)

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
PI21150	15" TFT LCD / Resistive touch screen / DC 24V / Resolution 1024 x 768 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB
PI22150	15" TFT LCD / Capacitive touch screen / DC 24V / Resolution 1024 x 768 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB
PI24150	15" TFT LCD / Non-touch screen / DC 24V / Resolution 1024 x 768 / 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