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PI22270
PI24270

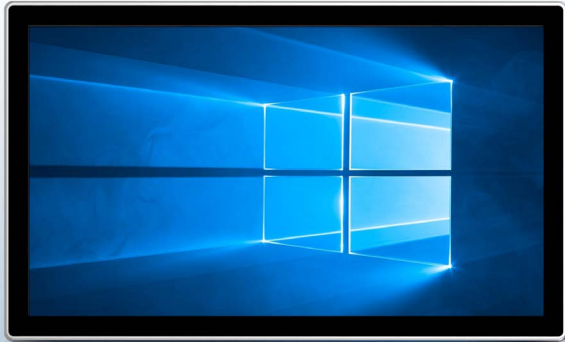


Shanghai Panelmate Electronics Co., Ltd.

27" FHD Raspberry Panel PC (Vertical Screen)



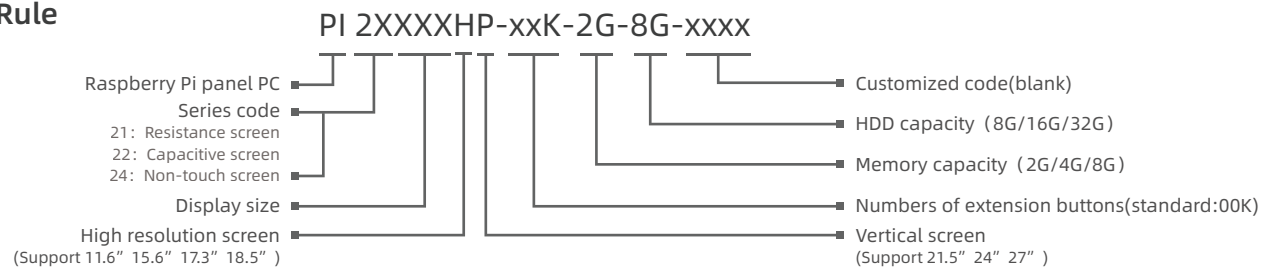
PI22270 (P) & PI24270 (P)



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

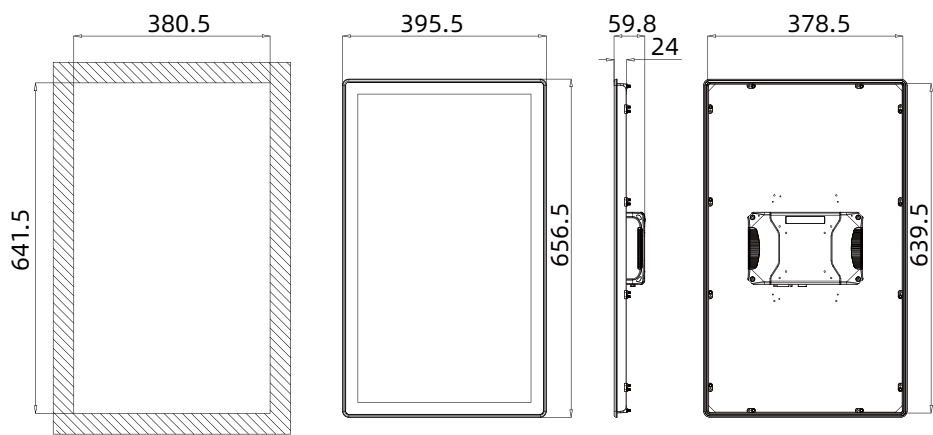


Specifications

Model		PI22270 & PI24270
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	36W
Physical	Dimension (WxHxD/mm)	395.5 x 656.5 x 59.8(15.57" x 25.85" x 2.35")
	Open Size (WxH/mm)	380.5 x 641.5(14.98" x 25.26")
	Net Weight(kg)	8.25kg
	Mounting	Embedded, Wall-mounted, Desktop, VESA
LCD	Display Type	27" FHD TFT
	Resolution	1920 x 1080
	Colors	16.7M
	Active Area (WxH/mm)	336 x 598(13.23" x 23.54")
	Backlight	LED
	MTBF (hour)	30000hrs
	Pixel Pitch (HxV)	0.24825x0.24825
	Luminance(cd/m2)	250cd/m2
	Contrast Ratio	3000:1
	Viewing Angle	(L)89 / (R)89 / (U)89 / (D)89
Touchscreen	Touch Type	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	Capacitive touchscreen: Mohs' Number 7H
Environment	Operating Temperature	-0 ~ 50°C
	Storage Temperature	-20 ~ 60°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

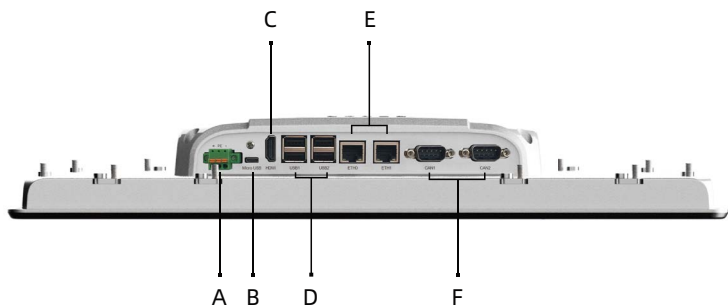
PI22270 (P) & PI24270 (P)

Technical Drawings unit:mm



Panel Cutout Dimensions: 380.5 x 641.5mm (14.98 x 25.26in)

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
PI22270	27" TFT LCD / Capacitive touch screen / DC 24V / Resolution 1920 x 1080 / 2xLAN / 4 x USB / 1 x HDMI / 2 x CAN / 1 x Micro USB
PI24270	27" TFT LCD / Non-touch screen /DC 24V / Resolution 1920 x 1080 / 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