

PPC-1212P/R

12.1" Front Panel IP54 Panel PC with Intel® Core™ i5-1235U Processor



Applications

- HMI Solution
- Embedded Panel PC on the chassis
- Digital Transformation
- ATM / Self-service / Kiosk Application
- Industrial Automation

Features

- 12.1" 1024 x 768 Resolution, 600nits Panel
- Intel® Core™ i5-1235U onboard Processor
- SECC Front Panel + Aluminum Back Cover
- IP54 Rated Front Panel
- Support Projected Capacitive and Resistive Touchscreen
- Support VESA and Panel Mounting

Ordering Information

Part No.	Description
PPC-1212P	12.1" 4:3 (1024 x 768) XGA, 600nits, P-CAP Touch, SECC, Intel® Core™ i5-1235U, 2 x 2.5GbE, 2 x HDMI, 1 x RS232/422/485, 4 x USB3.2, 9~36VDC (2-pin Terminal Block)
PPC-1212R	12.1" 4:3 (1024 x 768) XGA, 600nits, 5-wire Resistive Touch, SECC, Intel® Core™ i5-1235U, 2 x 2.5GbE, 2 x HDMI, 1 x RS232/422/485, 4 x USB3.2, 9~36VDC (2-pin Terminal Block)

Packing List

Description
1 x PPC-1212P/R

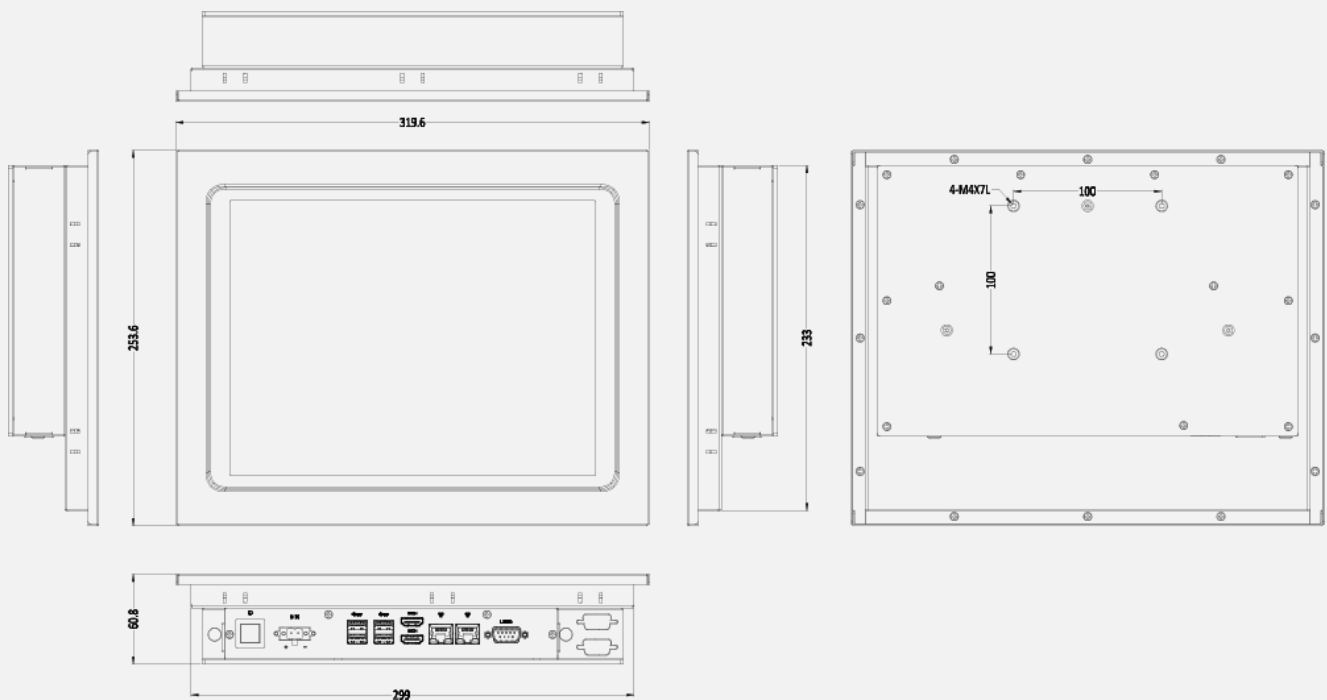
Optional Items

Part No.	Description
EA-PS-120W24VTB3x-0111	Adapter AC/DC 24V 5A 120W with 2-pin Terminal Block Plug 5.0mm Pitch
27-x301000003-CA	Power Cord, 3-pin US Type, 180 cm
27-x301010005-CA	Power Cord, 3-pin EU Type, 180 cm
AWD-TPM20	TPM 2.0 Module
EA-AWD-4G003xxxxx-0011	4G (LTE) EG25-G + 2 Antennas, Full Size (for Global)
EA-AWD-WF003x01x1-0011	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size
EA-AWD-WFM2BT52TR-0011	Wi-Fi 802.11 a/b/g/n/ac/BT5.0 (2T2R) + 2 Antennas (Dual Band), M.2 2230 Type

Specifications

Model		PPC-1212P		PPC-1212R	
Processor System	CPU	Intel® Core™ i5-1235U Processor (Optional for Core™ i3-1215UE Processor)			
	Frequency	up to 4.40GHz			
	BIOS	UEFI			
	TPM	fTPM (Optional for dTPM)			
Memory	Technology	Dual Channel DDR4 3200MHz (un-buffered and non-ECC)			
	Max. Capacity	Support up to 64GB			
	Type	2 x 260-pin SO-DIMM			
Panel	Panel Type	12.1" XGA LCD			
	Aspect Ratio	4:3			
	Resolution	1024 x 768			
	Brightness	600cd/m²			
	Color	16.7M			
	Contrast Ratio	1000:1			
	Viewing Angle	178 (H) x 178 (V)			
	Backlight MTBF (typ.)	50,000Hrs			
Touchscreen	Touchscreen Type	Projected Capacitive (P-CAP)		5-wire Resistive	
	Surface Hardness	7Mohs		3Mohs	
	Transparency	90% (±3%)		80% (±3%)	
I/O Interface	Ethernet	2 x 2.5GbE LAN Ports (Intel® I226-V)			
	HDMI	2 x HDMI 2.0, Max Resolution 4096 x 2160			
	Serial Port	1 x RS232/422/485 (Optional for additional 2 x RS232/422/485)			
	USB	4 x USB3.2 Gen2			
	Audio	N/A			
Storage	2.5" SSD/HDD	Internal 1 x 2.5" SSD/HDD			
	M.2	Internal 1 x M.2 2280 M-Key (PCIe Gen 4x4, SATA)			
Expansion	Mini-PCIe	1 x Full-Size Mini-PCIe with SIM slot (PCIe, USB2.0 and SIM)			
	M.2	1 x M.2 2280 M-Key (PCIe Gen 4x4, SATA) 1 x M.2 2230 E-Key			
Power	Power Mode	AT/ATX			
	Power Supply Voltage	9~36V DC Input			
	Power Connector Type	1 x DC Power Connector, 1 x 2-pin Terminal Block			
Environment	Operating Temperature	-20C ~ +60°C			
	Storage Temperature	-30C ~ +70°C			
	Humidity	10% ~ 95%, Non-condensing			
	Vibration	2.16Grms, 5 - 500Hz, 0.5hr/axis			
	Shock	20G, half sine, 11ms			
General	Certification	CE/FCC Class A			
	Ingress Protection	Front Panel IP54			
	Material	SECC Front Panel + Aluminum Back Cover			
	Mounting	VESA (100 x 100mm) / Panel			
	Dimensions (W x H x D)	319.6 x 253.6 x 60.8mm			
	Net Weight	3.75kg			
	Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux			

Dimensions



Viewing

