PPC-S1212P/R

12.1” Front Panel IP66/69K Stainless Steel Panel PC with Intel® Core™ i5-1235U Processor

Applications

- HMI for Factory Automation
- Embedded Panel PC on the chassis
- CNC machine
- Food & Beverage Industry
- Semi-outdoor Application

Features

- 12.1” 1024 x 768 Resolution, 600nits Panel
- Intel® Core™ i5-1235U onboard Processor
- True Flat, Easy-to-clean Front Panel Design
- 304 Stainless Steel Front Panel (Optional 316) + SECC Back Cover
- IP66/69K Rated Front Panel
- Support Projected Capacitive and Resistive Touchscreen
- Support VESA and Panel Mounting

Ordering Information

Part No.	Description
PPC-S1212P	12.1" 4:3 (1024 x 768) XGA, 600nits, P-CAP Touch, Front SUS304 + Back 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-S1212R	12.1" 4:3 (1024 x 768) XGA, 600nits, 5-wire Resistive Touch, Front SUS304 + Back 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-S1212P/R

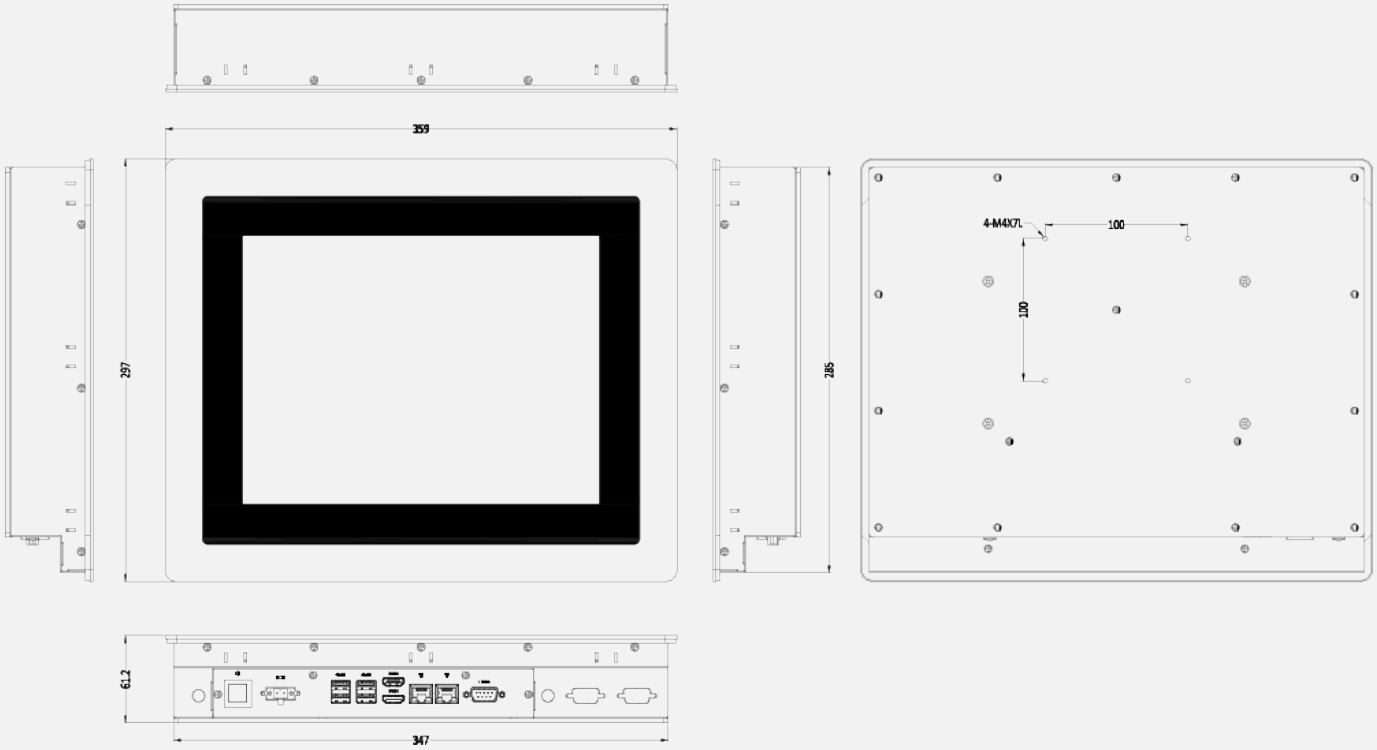
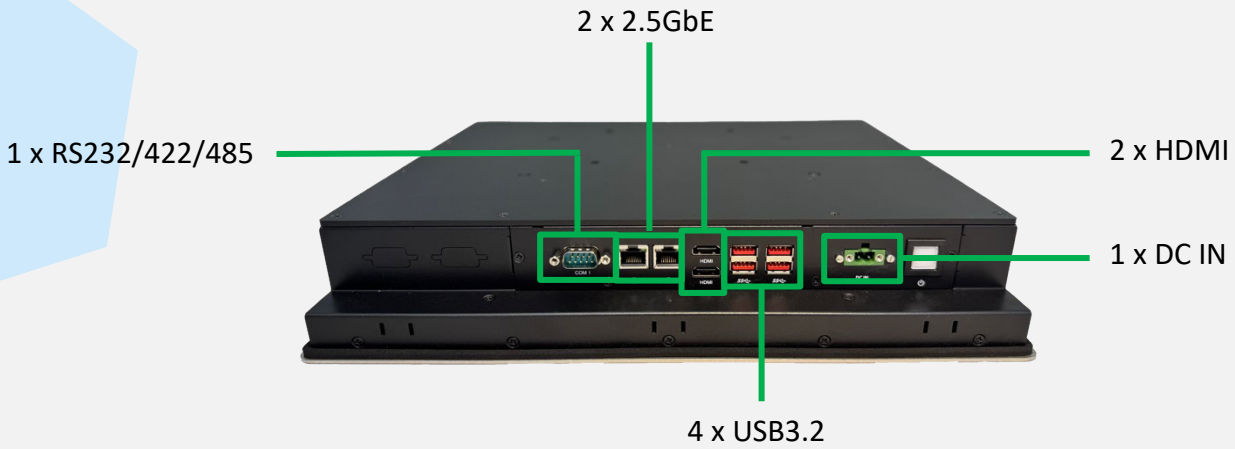
Optional Items

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-S1212P	PPC-S1212R
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	Internal 1 x 2.5” SSD	
	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	IEC 60068-2-64: 1.5Grms, random, 5~500 Hz, 1hr/axis	
	Shock	IEC 60068-2-27: 15G, half-sine, 11ms duration	
General	Certification	CE/FCC Class A	
	Ingress Protection	Front Panel IP66/69K	
	Material	304 Stainless Steel Front Panel (316 for option) + SECC Back Cover	
	Mounting	VESA (100 x 100mm) / Panel	
	Dimensions (W x H x D)	359 x 297 x 61.2mm	
	Net Weight	5.15kg	
	Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

Dimensions



Viewing