

PPC-SS220W1

Stainless Steel Panel PC Frameless



Features

- 21.5" Intel® 12th Gen Alder Lake Fanless Stainless Panel PC
- Bezel Free
- TPM 2.0 On Board
- IP66/69K Full Sealed with Anti-Corrosion Enclosure
- Support Intel® vPro Technology by CPU
- Optional IP67 M12 Stainless Connectors
- 100% Waterproof Guarantee
- CE, FCC, VCCI Class B Certified

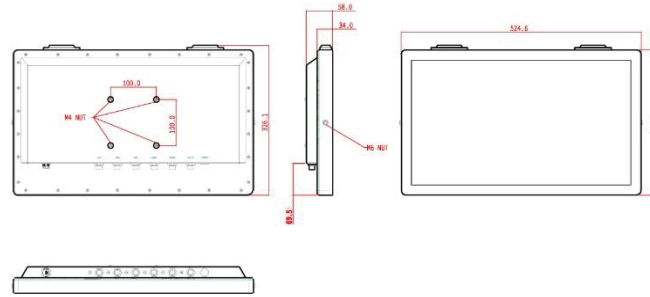
Specification

Model		PPC-SS220W1	
Main System	CPU / Graphic	Intel® 12th Gen Alder Lake-P MCP Processors, 15 W / Intel® Gen 12 Graphics	
	Memory	Dual Channel DDR4 3200 MHz ,2 x 260 SO-DIMM, up to 64GB	
	TPM	TPM2.0	
	OS Support	Optional Windows 10 (64 bit) / Windows 11 (64 bit)	
Display	Size	21.5" 16:9	
	Resolution (pixel)	1920 x 1080 (Full HD)	
	Number of Colors	16.7M colors (RGB 6-bit + Hi-FRC data)	
	View Angle (H/V)	170(H) / 160(V)	
	Brightness (nit)	250 nits	
	Contrast Ratio	1000 : 1 (Typ)	
Touch Panel	Type	Full flat resistive touch	Full flat P-Cap touch
	Light Transmission	80 ± 5%	≥ 86%
	Hardness/ Lifetime	≥ 3H / 35M times	≥ 7H / 100M times
	Touch mode	Normal mode	Normal / Glove / Water mode
Storage & Expansion	Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (Key M, 2242/2260/2280) with PCIe4 (Gen4) for SSD	
	Expansion	1 x M.2 (Key B, 3042/3052) with PCIe1, USB3.2, USB2.0 and SIM for 4G/5G 1 x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless	
I/O Ports	Configuration	STD. (M12 Connector)	
	USB	1 x M12 8pin for USB 2.0 1/2 1 x M12 8pin for USB 2.0 3/4 1 x USB 3.2 Gen2 (Type-C, Support DP1.4a display output, Power output 5V/3A)	
	COM	2 x M12 8pin for COM 1 & COM2 (RS-232/422/485)	
	LAN	1 x M12 8pin for LAN 1	
	Audio	N.A.	
	Video	N.A.	
	DC in	1 x DC-In connector, DC 12~28V	
	Control Keys	Rear bottom: Power on /off; Side: brightness up / down	
Power	Power adapter	AC 100 ~ 277V / 47 ~ 63 Hz / DC output 24V, 5A, 120W, IP68	
Environmental	Temperature	Operating Temperature 24V DC Input 0~40℃ (IEC60068-2-56, air flow cooling, HDD) 24V DC Input 0~50℃ (IEC60068-2-56, air flow cooling, SSD) Storage Temperature -20~60℃	
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing	
	Water/Dust resistance	IP66 / NEMA4X / IP69K	
Mechanical Characteristics	Housing	SUS304 stainless steel enclosure, chassis type	
	Dimensions (net:mm)	524.6 x 316.1 x 58	
	Weights (net: kg)	12 kg	
	Mounting	VESA 100*100, side mount (M6*2)	
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003		



Dimensions

Units (mm)



Major Options

Options	1. Full flat PCT touch screen IP69K 2. IP67 (STD M12 type) 3. 2.5" SSD 4. M.2 SSD (128G) 5. Wireless or Wireless and BT kit (easy clean and Robust Antenna) 6. 2 External LAN (USBx2, LANx2, COMx1) 7. 2nd Storage for RAID 0,1 8. SUS316 Enclosure 9. M12 (female) to M12 (male) DC power extension cable (2 meters length) 10. M12 (female) to stripped and tinned wires DC extension cable (1.2 meters length) 11. Waterproof type C cable, cable length is 1 meter 12. Wall mount 13. Table mount bracket (For Type C / RFID)
Accessory	1. Waterproof USB cable, cable length is 2 meters 2. Waterproof LAN cable, cable length is 2 meters 3. Waterproof COM cable, cable length is 2 meters 4. DC input cable
Customization	1. Sunlight readable optical bonding 2. Roof for UV protection and sunlight readable 3. 1000 nit high brightness LCD 4. COM + Power 5V or 12V 5. Intel i3-1215UE, DC, 3.3GHz 6. Intel i7-1265UE, DC, 3.5GHz 7. WDT AP/API 8. Stainless M12 connector

Order Information

Item	Cooling	Description
PPC-SS220W1 (i5)	Fanless	21.5" Core i5-1245UE 3.3 GHz / 4G RAM/ 500G HDD/ Full Flat Resistive Touch / Bezel Free
PPC-SS220W1 (i5)	Fanless	21.5" Core i5-1245UE 3.3 GHz / 4G RAM/ 500G HDD/ Full Flat P-cap Touch / Bezel Free

I/O ports



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