

PPC-IN220W1

Industrial Panel PC



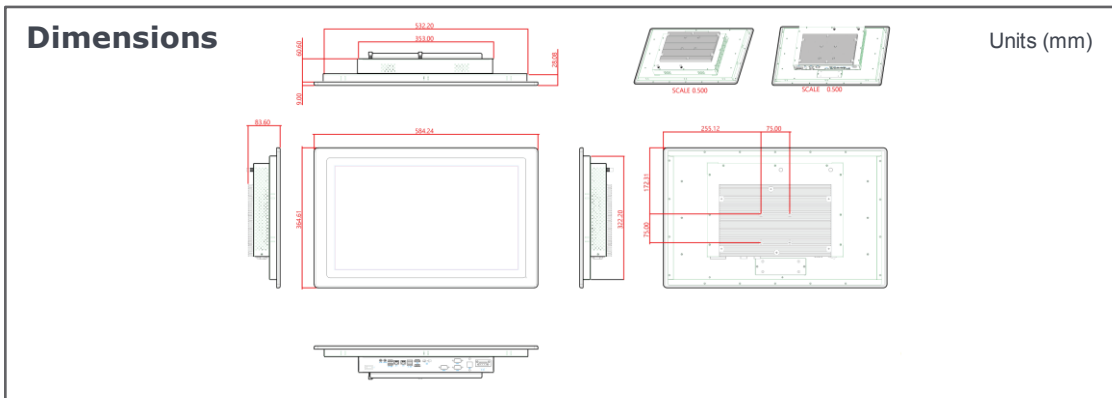
Features

- Intel® Alder Lake-P MCP Processors, 15W
- 21.5" 1920x1080 LCD Panel
- Full Flat Res. or P-Cap Touch
- Fanless Solution
- IP66 Front Panel Mount Housing
- Wide Range DC Input
- TPM2.0 (On Board IC)
- Optional WLAN with External Antenna
- CE, FCC, VCCI Class B Passed
- Adjust Brightness Function

Specification

Product		PPC-IN220W1 MBKFT		PPC-IN220W1 MBKPT	
Main System	CPU	Intel® 12th Gen Alder Lake-P MCP Processors, 15W			
	Graphic	Intel® Gen 12 Graphics			
	Memory	Dual Channel DDR4 3200 MHz ,2 x 260 SO-DIMM, up to 64GB (32GB per DIMM)			
	TPM	TPM2.0			
	OS Support	Optional Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit)			
Display	Size	21.5" 16:9			
	Resolution (pixel)	1920 x 1080 (Full HD)			
	Number of Colors	16.7M colors			
	View Angle (H/V)	170(H) / 160(V)			
	Brightness(cd/m², nit)	250 nits			
	Contrast Ratio	1000:1 (Typ)			
Touch Panel	Type	Full flat resistive touch panel		Full flat projected capacitive touch panel	
	Light Transmission	80 ± 5%		>=86%	
	Hardness	>=3H		>=7H	
	Lifetime	35M times		100M times	
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 PCIe Gen4 x4 for SSD			
	Expansion	1 x M.2 (Key B, 3042/3052) with PCIe x1, USB3.2, USB2.0 and SIM for 4G/5G 1x 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	USB	2 x USB 2.0, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 Type-C (Support DP1.4a display output, power output 5V/3A)			
	COM	2 x RS-232/422/485(COM1, COM2), 1 x RS-232(COM3)			
	LAN	2 x RJ-45 2.5 Gbps			
	HDMI	2 x HDMI 2.0b			
	Audio	2 x 3.5mm phone jack connector (Line-out, Mic-in)			
	Control Keys	Rear bottom: Power on /off			
Power	Power input	DC12~28V input			
	Power adapter	External, 100 watts, universal 100 ~240V AC in, 19V DC out, 5.26A (PSU with PSE)			
Environmental	Temperature	Operating Temperature: 19V DC Input 0~50℃ (IEC60068-2-56, air flow cooling) 19V DC Input 0~40℃ (IEC60068-2-2, natural cooling) Storage Temperature: -20~60℃			
	Humidity	Operating & Storage: 10 ~ 90%, non-condensing			
	IP / IK Level	IP66 at front, IK05			
Mechanical Characteristics	Housing	Front bezel is Aluminum, others are SECC with black coating			
	Dimensions (Net: mm)	TBD			
	Weights (Net: kg))	TBD kg			
	Mounting	Panel mount / VESA (75x75)			
Certification	FCC-B, CE (EMC), VCCI, ICES-003				





Major Options	
Options	1. Wireless and BT kit (2 ant) 2. Projected capacitive touch screen 3. Stainless front bezel 4. Silver front bezel 5. Windows 10(2019-LTSC) (64bit) 6. M.2 NVMe SSD (128G) 7. USB 2.0 X 1(By Cable) 8. Chassis type housing 9. Windows 11(64bit) 10. .2 X 2.5" Storage for Raid 0,1 11. 2.5" SSD
Customization	1. WDT AP/API 2. Intel i3-1215UE, DC, 3.3GHz 3. Intel i7-1265UE, DC, 3.5GHz 4. Open frame housing or Chassis type housing 5. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 6. Storage door Solution 7. 5G Module

Order Information

Item	Touch	Description
PPC-IN220W1 (MBKFT)	Full Flat Resistive Touch	22" i5-1245UE 4.4GHz,4GRAM,512G SSD Panel mount
PPC-IN220W1(MBKPT)	Full Flat Pcap Touch	22" i5-1245UE 4.4GHz,4GRAM,512G SSD Panel mount

I.O.(STD)

