

17" IP66 Front Projected Capacitive / 5-wire Resistive Panel PC with Intel® Core™ i5-8265U Processor



Features

- Front Bezel IP66 Protection
- 7H Hardness Anti-scratch PCAP Touch
- Aesthetic Silver-white Chamfered Edges
- Supports Panel and VESA Mount

Applications

- Human Machine Interface (HMI)
- Factory / Manufacturing Automation
- ATM / Self-service / Kiosk
- Vending Machine / Ticketing Machine

→ Ordering Information

Part No.	Description
PPC-N178P-1A1	17" 4:3 (1280 x 1024), 350 nits, Aluminum IP66 Front Panel, Fanless Panel PC with Intel® Core™ i5-8265U CPU, Projected Capacitive Touch, 4x USB3.1, 3x RS-232, 1x RS-232/422/485, 2x GbE, 2x HDMI, 8-bit GPIO, RAID 0/1, Line Out, Mic In, DC 9~36 V, Phoenix Connector
PPC-N178R-1A1	17" 4:3 (1280 x 1024), 350 nits, Aluminum IP66 Front Panel, Fanless Panel PC with Intel® Core™ i5-8265U CPU, 5-wire Resistive Touch, 4x USB3.1, 3x RS-232, 1x RS-232/422/485, 2x GbE, 2x HDMI, 8-bit GPIO, RAID 0/1, Line Out, Mic In, DC 9~36 V, Phoenix Connector

→ Packing List

Description
1 x PPC-N178
1 x Power Adapter
16 x Panel Mounting Screws

→ Optional Items

Part No.	Description
AWD-WF001	Wi-Fi 802.11 b/g/n (1T1R) + 1 Antenna, Half Size
AWD-WF003	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size
AWD-WF004	Wi-Fi 802.11 b/g/n + BT4.0 (1T1R) + 2 Antennas (Single Band), M.2 2230 Type
AWD-WF005	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), M.2 2230 Type
AWD-4G003	4G(LTE) EG25-G + 2 Antennas, Full Size (for Global)
AWD-4G004	4G(LTE) EC25EFA + 2 Antennas, Full Size (for Europe/Taiwan/China/Hong Kong)
ACS-110-STD	VESA Stand (75x75, 100x100 mm), Supporting up to 15 kg Panel PC / Monitor

→ Specifications

	Model	PPC-N178P-1A1	PPC-N178R-1A1
Processor System	CPU	Intel® Core™ i5-8265U	
	Frequency	Quad-core, up to 3.9 GHz	
	System Chipset	N/A	
	L2 Cache	6 MB	
	BIOS	UEFI	
Memory	Technology	Dual Channel DDR4 2400 MHz SDRAM	
	Max. Capacity	32 GB	
	Type	2x 260-pin SO-DIMM	
Panel	Panel Size	17"	
	Panel Type	LCD Panel	
	Aspect Ratio	4:3	
	Resolution	SXGA, 1280 x 1024	
	Viewing Angle	160(H) x 140 (V)	
	Brightness	350 cd/m2	
	Contrast Ratio	800:1	
	Response Time	12 msec	
Touchscreen	Touchscreen Type	Projected Capacitive	5-wire Resistive
	Surface Hardness	7 Mohs	3 Mohs
	Durability	N/A	36 Millions Times
	Transparency	90% (±3%)	80% (±3%)
Display	HDMI	1x HDMI, up to 4096 x 2304 @ 24Hz	
	DP	N/A	
	VGA	N/A	
	DVI	N/A	
I/O Interface	USB	4x USB 3.1 Gen 2	
	Serial Port	3x RS-232 and 1x RS-232/422/485	
	Ethernet	2x GbE (Lan 1: Intel® i219V, Lan 2: Intel® i211AT)	
	Audio	Line Out, Mic In (Realtek® Audio Codec)	
	GPIO / DIO	8-pin Digital I/O (DB-9 Connector)	
	Antenna Hole	N/A (Optional)	
	Others	N/A	
Storage	2.5" HDD / SSD	1x Internal 2.5" HDD/SSD	
	M.2	1x M.2 M Key 2280 (PCIe x4, SATA III)	
	mSATA	N/A	
	RAID	RAID 0/1 (Optional)	
Expansion	Mini PCIe	1x Full Size (PCIe X1 / USB2.0)	
	M.2	1x M.2 E Key 2230	
	PCI / PCIe	N/A	
	SIM Holder	1	
Power	Power On Model	AT/ATX	
	Power Supply Voltage	9-36V DC Input	
	Connector Type	2-pin Terminal Block	
	Power Consumption(Typical)	17.5W @ 12V (1.46A)	
Mounting	Type	VESA Mount (75 x 75, 100 x 100 mm) / Panel Mount	
Environment	Operating Temperature	-20~60°C (-4~140° F) w/ Extended Operation Temp. RAM & Storage	
	Storage Temperature	-40~85°C (-40~185° F)	
	Humidity	5~95% @ 40° C, Non-condensing	
	Vibration	5-500 Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 Hour per Axis	
	Shock	20 G, IEC 60068-2-27, Half Sine, 11 ms Duration	
General	Certification	CE/FCC Class A	
	Thermal Dissipation	Fanless	
	Ingress Protection	Front IP66	
	Material	Aluminum Front Cover	
	Dimensions (W x H x D)	426 x 361 x 74mm (16.78" x 14.22" x 2.72")	
	Net Weight	4.86 kg (10.714 lb)	
	Operating System	Windows 10 (IoT 64 bit / Professional), Linux Kernel 4.0.x or above	

PPC-N178

→ Dimensions

