

21.5" IP65 Front True Flat 5-wire Resistive Panel PC
with Intel® Pentium® N4200 / Celeron® N3350 Processor



Features

- IP65 Front Aluminum Bezel
- True Flat Design
- Supports VESA & Panel Mount
- Diamond-cut Modern, Chamfered Edges

Applications

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

→ Ordering Information

Part No.	Description
PPC-J213RW-1A1	21.5" 16:9 (1920 x 1080), 250 nits, Aluminum IP65 True Flat Front Panel, Fanless Panel PC with Intel® Pentium® N4200 CPU, 5-wire Resistive Touch, 2x USB3.0, 2x USB2.0, 3x RS-232, 1x RS-232/422/485, 2x GbE, 1x HDMI, 1x VGA, 8-bit GPIO, Line Out, DC 9~36 V, Phoenix Connector
PPC-J213RW-2A1	21.5" 16:9 (1920 x 1080), 250 nits, Aluminum IP65 True Flat Front Panel, Fanless Panel PC with Intel® Celeron® N3350 CPU, 5-wire Resistive Touch, 2x USB3.0, 2x USB2.0, 3x RS-232, 1x RS-232/422/485, 2x GbE, 1x HDMI, 1x VGA, 8-bit GPIO, Line Out, DC 9~36 V, Phoenix Connector

→ Packing List

Description
1 x PPC-J213RW
1 x Power Adapter
1 x Power Cord
12 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-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-J213RW-1A1	PPC-J213RW-2A1
Processor System	CPU	Intel® Pentium® N4200	Intel® Celeron® N3350
	Frequency	Quad-core up to 2.5GHz	Dual-core up to 2.4GHz
	System Chipset	N/A	
	L2 Cache	2 MB	
	BIOS	UEFI	
Memory	Technology	Dual Channel DDR3L 1866 MHz	
	Max. Capacity	8 GB	
	Type	2x 204-pin SO-DIMM	
Panel	Panel Size	21.5"	
	Panel Type	LCD Panel	
	Aspect Ratio	16:9	
	Resolution	FHD, 1920 x 1080	
	Viewing Angle	178(H) x 178 (V)	
	Brightness	250 cd/m2	
	Contrast Ratio	3000:1	
	Response Time	12 msec	
Touchscreen	Touchscreen Type	5-wire Resistive	
	Surface Hardness	3 Mohs	
	Durability	36 Millions Times	
	Transparency	80% (±3%)	
Display	HDMI	1x HDMI, up to 3840 x 2160 @ 30 Hz	
	DP	N/A	
	VGA	1x VGA, up to 2560 x 1600 @ 60 Hz	
	DVI	N/A	
I/O Interface	USB	2x USB3.0 and 2x USB2.0	
	Serial Port	3x RS-232 and 1x RS-232/422/485	
	Ethernet	2x GbE (Lan1/2: Intel® i211AT)	
	Audio	Line Out, Mic In (Realtek® Audio Codec)	
	GPIO / DIO	N/A	
	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 2242 (SATA III)	
	mSATA	N/A	
	RAID	N/A	
Expansion	Mini PCIe	1x Full Size (PCIe X1 / USB2.0)	
	M.2	N/A	
	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 IP65	
	Material	Aluminum Front Cover	
	Dimensions (W x H x D)	561.8 x 352.76 x 73.55 mm (22.12" x 13.89" x 2.90")	
	Net Weight	8.1 kg (17.85 lb)	
	Operating System	Windows 10 (IoT 64 bit/Professional), Linux Kernel 4.0.x or above	

→ Dimensions

