

# PPC-Z2164PW/RW

## 21.5" IP66/69K Stainless Steel Panel PC with Intel® Celeron® J6412 Processor

### Applications

- Food & Beverage Processing
- Hospitality & Catering Service
- Pharmaceutical Equipment
- Animal Feed Production
- Chemical Critical Environment

### Features

- 21.5" 1920 x 1080 Resolution, 250nits Panel
- Intel® Celeron® J6412 onboard Processor
- True Flat, Easy-to-clean Front Panel Design
- Grade 304 Stainless Steel Enclosure (Grade 316 for option)
- IP66/69K Rated with M12 Connectors
- Support Projected Capacitive and Resistive Touch
- Support VESA, Yoke, and Wall Mounting
- RFID Reader Supports Mifare® Cards



### Ordering Information

Part No.	Description
PPC-Z2164PW	21.5" 16:9 (1920 x 1080) FHD, 250nits, 350nits, P-CAP Touch, Full Stainless Steel 304, Intel® Celeron® J6412, 1 x IP67 Front USB3.2, M12 Connectors (2 x GbE, 2 x RS232/422/485, 1 x USB3.2, 1 x USB2.0 (x2), 12~36VDC), RFID Reader
PPC-Z2164RW	21.5" 16:9 (1920 x 1080) FHD, 250nits, 5-wire Resistive Touch, Full Stainless Steel 304, Intel® Celeron® J6412, 1 x IP67 Front USB3.2, M12 Connectors (2 x GbE, 2 x RS232/422/485, 1 x USB3.2, 1 x USB2.0 (x2), 12~36VDC), RFID Reader

### Packing List

#### Description

1 x PPC-Z2164PW/RW

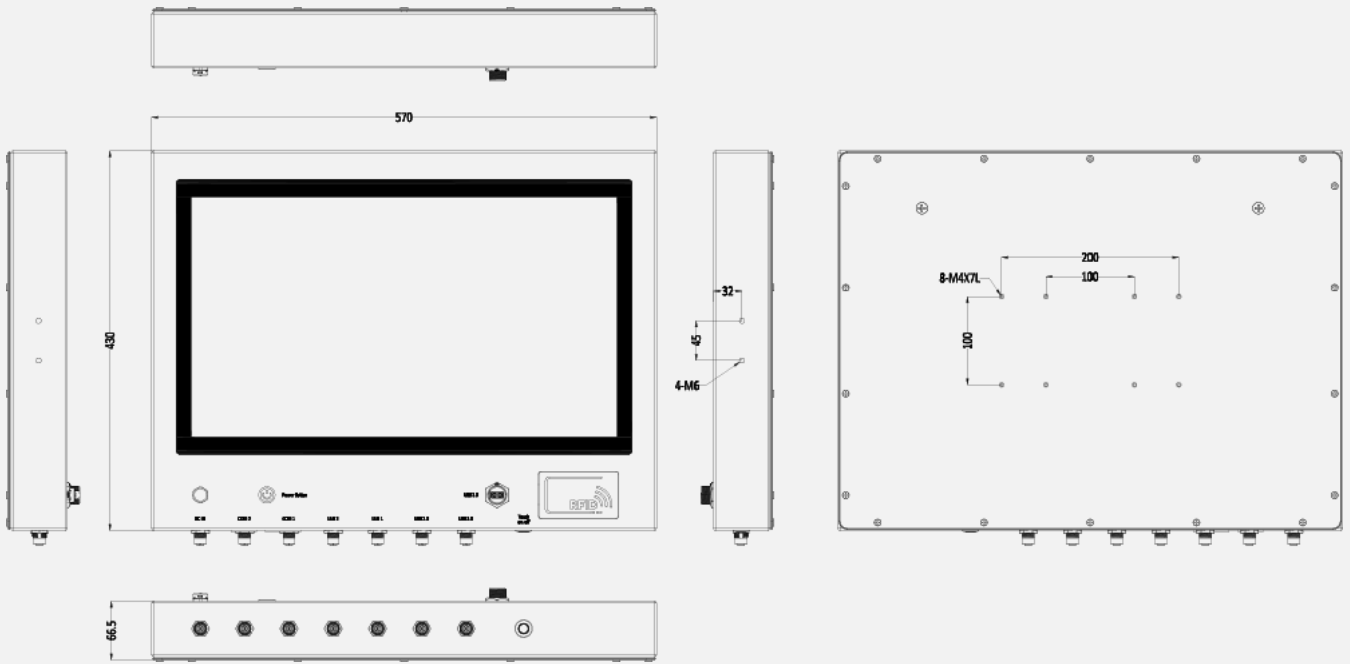
## Optional Items

Part No.	Description
EA-PS-90W12VM12xx-0010	Adapter AC/DC 12V 7.5A 90W with M12 Connector (EU)
EA-PS-90W12VM12xx-0110	Adapter AC/DC 12V 7.5A 90W with M12 Connector (US)
AKT-USB2M12	M12 Connector to 2-port USB2.0 Cable, 2m
AKT-USB31M12	M12 Connector to USB3.0 Cable, 1.8m
AKT-COM2M12	M12 Connector to DB9 Cable, 2m
AKT-LAN2M12	M12 Connector to LAN Cable, 2m
AWD-WF006	Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 IP66 Antennas (Dual Band), Half Size
AWD-WF007	Wi-Fi 802.11 b/g/n/BT4.0 (1T1R) + 1 IP66 Antenna (Dual Band), Half Size
ACS-Z215-SWM	Stainless Steel 304 Wall Mount Kits, Thickness 3m for PPC-Z21XX
ACS-Z215-SYK	Stainless Steel 304 Yoke Mount Kits, Thickness 3mm for PPC-Z21XX
UPS-60W-4S1P	Super Cap UPS Backup System

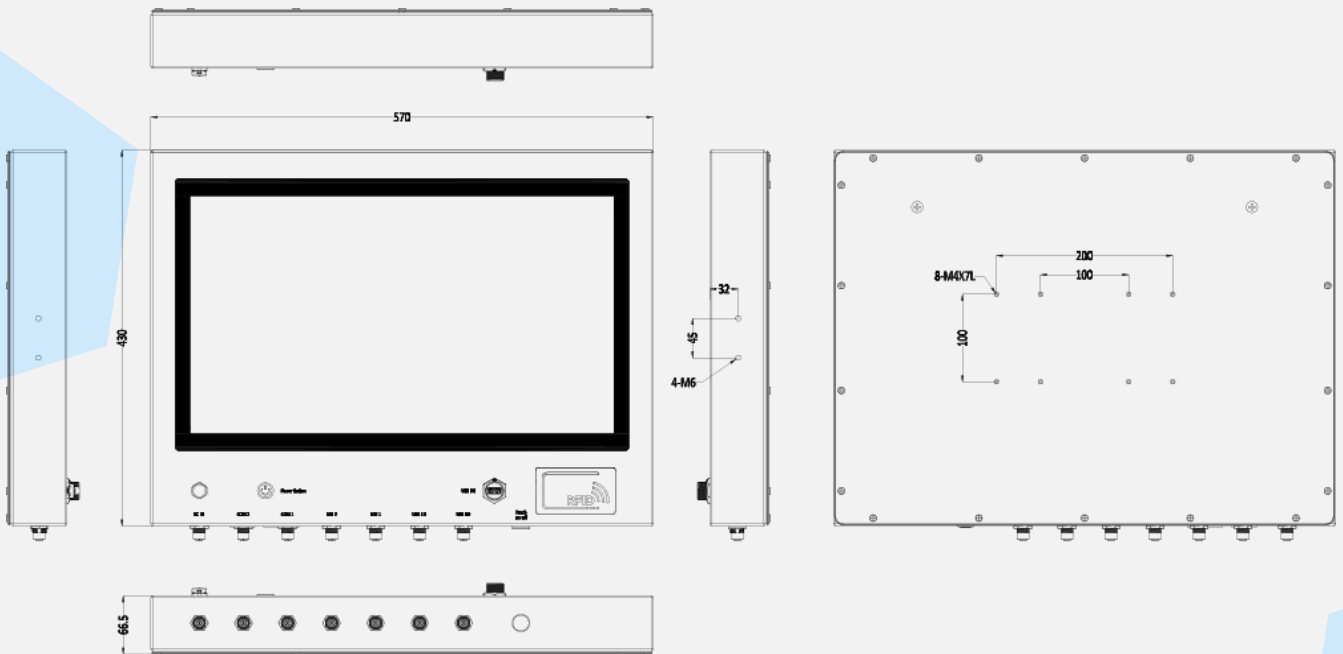
## Specifications

Model		PPC-Z2164PW	PPC-Z2164RW
Processor System	CPU	Intel® Celeron® J6412 Processor	
	Frequency	up to 2.60GHz	
	BIOS	UEFI	
	TPM	fTPM	
Memory	Technology	Dual Channel DDR4 3200MHz (un-buffered and non-ECC)	
	Max. Capacity	Support up to 32GB	
	Type	2 x 260-pin SO-DIMM	
Panel	Panel Type	21.5" FHD LCD	
	Aspect Ratio	16:9	
	Resolution	1920 x 1080	
	Brightness	250cd/m <sup>2</sup>	
	Color	16.7M	
	Contrast Ratio	5000:1	
	Viewing Angle	178 (H) x 178 (V)	
	Backlight MTBF (typ.)	30,000Hrs	
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 GbE (Intel® I210-AT) (M12 Connector)	
	Serial Port	2 x RS-232/422/485 (M12 Connector)	
	USB	2 x USB2.0 (from 1 x M12 Connector) 1 x USB3.2 Gen1 (M12 Connector) 1 x USB3.2 Gen1 (IP67 connector)	
	Audio	N/A	
	Other	RFID Reader (UID Reader only, CARD TYPE:ISO 18092 Felica, ISO 14443A Mifare® Class, Ultralight, Frequency: 13.56MHz)	
Storage	2.5" SSD	Internal 1 x 2.5" SSD	
	M.2	Internal 1 x M.2 2280 M-Key (PCIe x2, 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 x2, SATA)	
Power	Power Mode	AT/ATX	
	Power Supply Voltage	12~36V DC Input	
	Power Connector Type	M12 Connector	
UPS Backup System (Optional)	Type	Super Cap UPS	
	Max. Discharge Power	60W	
	Backup time @20W	110 sec.	
Environment	Operating Temperature	-10C ~ +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	Full System IP66/69K	
	Material	Full SUS304 Stainless Steel (Optional SUS316)	
	Mounting	VESA (100 x 100mm) / Yoke / Wall	
	Dimensions (W x H x D)	570 x 430 x 66.5mm	
	Net Weight	12.0kg	
	Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

## PPC-Z2164PW Dimension



## PPC-Z2164RW Dimension



## Viewing

