

23.8" IP66/69K Stainless Steel 316 Projected Capacitive Panel PC  
with Intel® Core™ i5-8265U Processor



## Key Features

- Stainless Steel 316, Full IP66/69K Protection
- Completely Flat Front Panel Design
- AGRO SS316 Pressure Balance Element, Preventing Water Condensation
- Stainless Steel SUS316, Full IP66/69K Waterproof
- Supports VESA Mount

## Applications

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

## Ordering Information

Part No.	Description
PPC-Z248PW-B6A1	23.8" 16:9 (1920 x 1080), 250 nits, Stainless Steel 316 Full IP66/69K Protection, Fanless Panel PC with Intel® Core i5-8265U CPU, Projected Capacitive Touch, 4G RAM, 128G M.2 TLC, 2x USB3.0, 1x M12 for 2x USB2.0, 1x RS-232, 1x RS-232/422/485, 2x GbE, 1x HDMI IP67 Connector, DC 9-36 V, M12 Connector

## Packing List

Description
1 x PPC-Z248PW

## Optional Items

Part No.	Description
APW-60M12V-01	12V, 60W, 5A, 5-pin M12 Connector (US)
APW-60M12V-02	12V, 60W, 5A, 5-pin M12 Connector (EU)
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
AKT-HDMI2IP67	IP67 Connector to HDMI 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

## → Specifications

	Model	PPC-Z248PW-B6A1
Processor System	CPU	Intel® 8th Gen Core™ i5-8265U
	Frequency	Quad-Core up to 3.9 GHz
	System Chipset	N/A
	Cache	6 MB
	BIOS	UEFI
Memory	Technology	Dual Channel DDR4 2400 MHz
	Max. Capacity	32 GB
	Type	2x 260-pin SO-DIMM
Panel	Panel Size	23.8"
	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	30 msec
Touchscreen	Touchscreen Type	Projected Capacitive Touch
	Surface Hardness	7 Mohs
	Durability	N/A
	Transparency	90% (±3%)
Display	HDMI	1x HDMI 1.4b, up to 4096 x 2304 @ 24 Hz (IP67 Connector)
	DP	N/A
	VGA	N/A
	DVI	N/A
I/O Interface	USB	2x USB 3.0 (M12 Connector) and 1x M12 for 2x USB2.0 (M12 Connector)
	Serial Port	1x RS 232 (M12 Connector) and 1x RS-232/422/485 (M12 Connector)
	Ethernet	2x GbE (M12 Connector) (LAN1:Intel® i219V, LAN2:Intel® i211AT)
	Audio	N/A
	GPIO / DIO	N/A
	Antenna Hole	N/A (Optional)
	Others	N/A
Storage	2.5" HDD / SSD	N/A (Optional)
	M.2	1x M.2 2280 M Key (PCIe x4, SATA III)
	mSATA	N/A
	RAID	RAID 0/1
Expansion	Mini PCIe	1x Full Size (PCIe x1, USB2.0)
	M.2	1x 2230 M.2 E Key
	PCI / PCIe	N/A
	SIM Holder	1
Power	Power Mode	AT / ATX
	Power Supply Voltage	9-36V DC Input
	Power Connector Type	M12 Connector
	Power Consumption (Typical)	1.8A @ 12V (23.6W)
Mounting	Type	VESA Mount (100 x 100, 200 x 100 mm)
Environment	Operating Temperature	-20 ~ 50° C (-4~122° F) w/ Extended Operation Temp. RAM & Storage
	Storage Temperature	-40 ~ 60° C (-40~140° F)
	Humidity	5~95% @ 40° C, Non-condensing
	Vibration	5-500 Hz, 0.026 G <sup>2</sup> /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	TBD
	Thermal Dissipation	Fanless
	Ingress Protection	Full IP66/IP69K
	Material	Stainless Steel 316
	Dimensions (W x H x D)	611.4 x 380.79 x 81.27 mm (24.07" x 14.99" x 3.2")
	Net Weight	15 kg (33.06 lb)
	Operating System	Windows 10 (IoT 64 bit/Professional), Linux Kernal 4.0.x or above

# PPC-Z248PW

## → Dimensions

