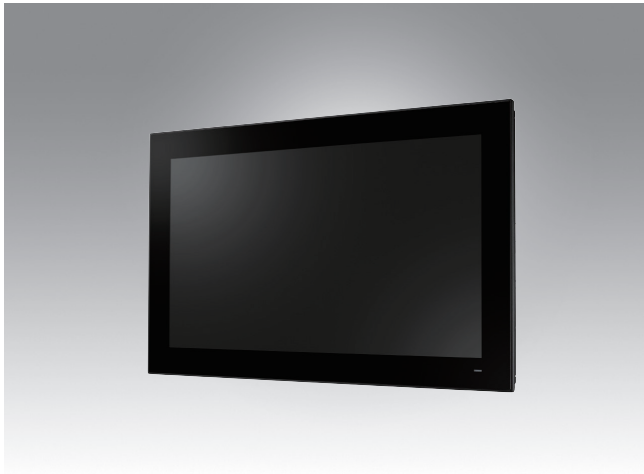


# PPC-621W

## 21.5" Configurable Panel PC Chassis for Selectable Mini-ITX Motherboards



### Features

- 21.5" true-flat panel PC with multi-touch projected capacitive
- Supports certified mini-ITX motherboards (up to 65W TDP processor)
- PCI or PCIe expansion slots
- Front-facing power status LED indicators
- IP66-rated front panel
- Support dual HDD drawer

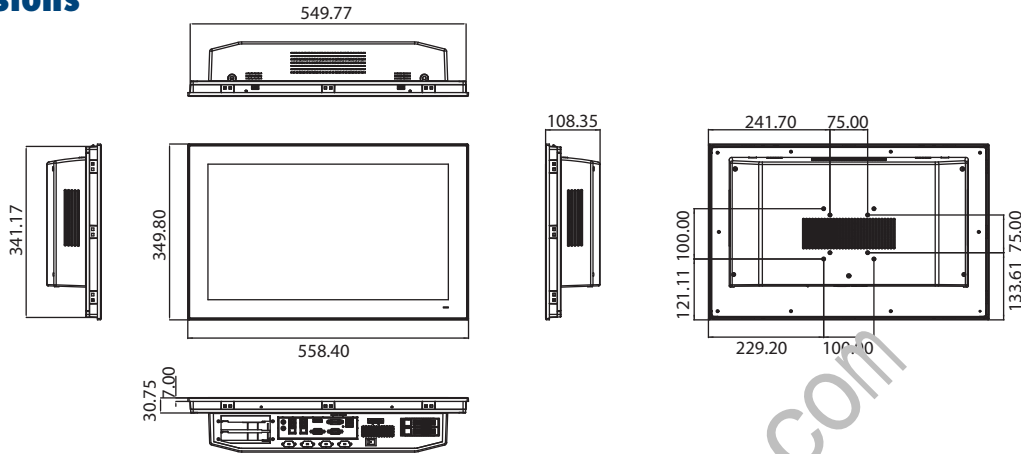


### Specifications

<b>Model</b>	<b>PPC-621W-PTA</b>	
<b>Supported Motherboard</b>	PPC-MB series	
<b>Chassis</b>	Storage	2 x 2.5" SATA HDD bay
	I/O	4 x Reserved ports (DB9) 2 x WLAN antenna holes
		1 x DC-In 1 x Power switch Reserved opening: According to the PPC-MB series motherboard specifications
	Expansion	1 x PCIe x4 or 2 x PCI (in the accessory box) 2 x PCIe x1 (optional) 1 x PCIe x1 + 1 x PCI (optional) 2 x PCIe x8 (optional, only for PPC-MB-6X0) 1 x PCIe x16 (optional, only for PPC-MB-6X0)
	Speaker	2 x 1 W
	Fan	2 x 1.7V; 60 x 60 x 25 mm (2.36 x 2.36 x 0.98 in)
<b>Physical Characteristics</b>	Dimensions (W x H x D)	558 x 349.8 x 108.2mm (21.9" x 13.7" x 4.26")
	Weight	8.4kg (18.5lb)
<b>OS Support</b>	OS Support	According to motherboard specifications
<b>Power Consumption</b>	Input Voltage	24V <sub>DC</sub> ±20%, 12A
	Power Consumption	126W with PPC-MB-8260 168W with PPC-MB-610 142W with PPC-MB-620
<b>LCD Display</b>	Display Type	21.5" TFT LED panel
	Max. Resolution	1920 x 1080
	Viewing Angle	89 (left), 89 (right), 89 (up), 89 (down)
	Luminance (cd/m <sup>2</sup> )	250
	Contrast Ratio	1000
	Backlight Lifetime	50,000 hr
<b>Touchscreen</b>	Touch Type	10-point multi-touch projected capacitive
	Light Transmission	≥ 88%
	Controller	USB interface
<b>Environment</b>	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)(With 35W CPU) 0 ~ 45 °C (32 ~ 113 °F)(With 65W CPU)
		*** please refer to the PPC-MB series CPU list
	Storage Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
	Relative Humidity	95% @ 40 °C (non-condensing)
	Shock	Operating: 10 G peak acceleration (11 ms duration), IEC 60068-2-27 compliant
	Vibration	Operating: Random vibration test 5 ~ 500 Hz, 2 Grms @ with SSD, IEC 60068-2-64 compliant
	EMC	CE, FCC, Class A, UKCA, VCCI
	Safety	CB, CCC, UL, UKCA
Front Panel Protection	IP66 compliant	

## Dimensions

Unit: mm



Panel Cutout Dimensions: 550.3 x 341.8 mm (21.65 x 13.45 in)

## Ordering Information

M/B Part Number	Chassis Part Number	Cooler Part Number
PPC-MB-8260B / PPC-MB-610B	PPC-621W-PTA	1960053207N001
PPC-MB-620A/PPC-MB-620B	PPC-621W-PTA	1970005354T001

Note 1. The motherboard, chassis, and cooler should be ordered together to ensure easy configuration.  
 Note 2. The chassis is equipped with riser cards.

## Optional Accessories

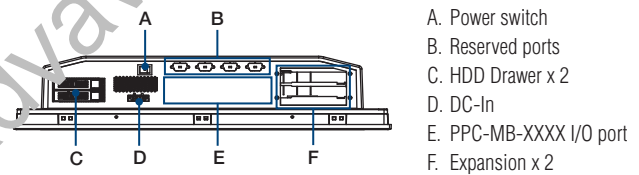
Part Number	Description
PPC-WLAN-D1	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna, Mini PCIe adapter (only for PPC-MB-8260)
PPC-WLAN-D2	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna (only for PPC-MB-6x0)
9893BE0200E	Riser card with 2 x PCIe x1 slots
9893BE03000	Riser card with 1 x PCIe x1 and 1 x PCI slots
9893BE17000	Riser card with 2 x PCIe x8 slots (only for PPC-MB-6X0)
98R36151C20	Riser card with 1 x PCIe x16 slots (only for PPC-MB-6X0)
PPC-ARM-A03	ARM VESA Standard for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-Stand-A1E	Stand for PPC series
98R3P612100	TPM2.0 module for PPC-MB-610

## Optional Accessories

Part Number	Description
96PSA-A230W24P4-3	Power adapter 100-240V 230W 24V
1702002600	Power cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M
1700000237	Power cable PSE(UK), 3-pin, 12A, 125V, 1.83M
1702002605	Power Cord (EU), 3-pin, 10A, 250V 1.83M
1700027838-01	Cable for two internal USB with I/O BKT
96PSD-A480W24-MS*	PSU 100-240V 480W 24V
1700031170-01	DC-DC power cord, A cable TEM*4/TEM*4 UL2464 18AWG 150cm
1700029720-01	AC-DC power cord (US), M cable AC CONN 3P 183cm
1700030520-01	AC-DC power cord (CN), M cable conn 3P CCC 10A 250V 150cm
1700031408-01	AC-DC power cord (EU), M cable conn 3P/G-TEM*3 80CM

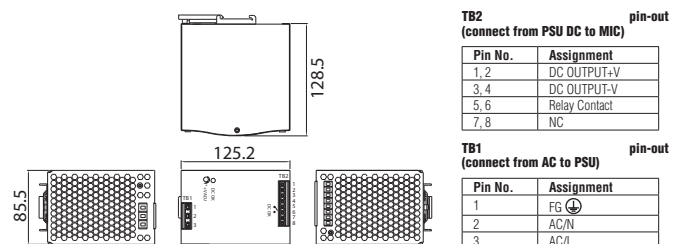
\* please use 480W PSU when GPU card is Added.

## I/O View

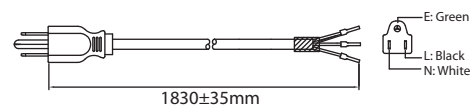


Note 1: The max. dimension of expansion cards supported is 205 x 110 x 40 mm.  
 Note 2: If the two slots are to be used simultaneously, the max. dimension supported is 205 x 110 x 20 mm for each PCI or PCIe expansion card.  
 Note 3: The max. power consumption of PCIe expansion card supported is 75W.

## Power Supply Cabling Guide



## PSU power cord & Pin Definition (connect from AC to DC)



**DC - DC cable**  
 Connect from PSU to the PPC-615W/618W/621W optional PSU DC-DC cable with 4-pin phoenix connector (1652003234)

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries. Please contact Advantech for certificate compliance.