PPC-615W

15.6" Configurable Panel PC Chassis for Selectable Mini-ITX Motherboards
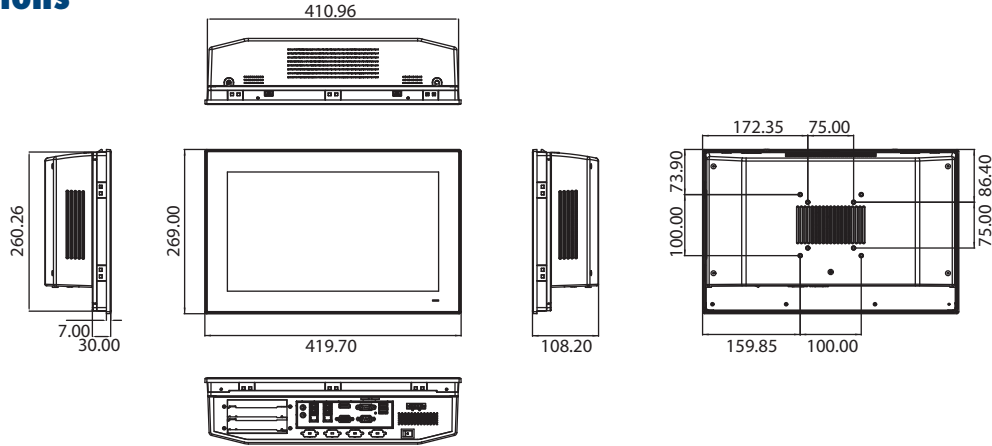
Features

- 15.6" 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

UK CA VCCI CCC CE FCC c UL us LISTED E180881 I.T.E.

Specifications

Model		PPC-615W-PTA
Supported Motherboard		PPC-MB series
Chassis	Storage	1 x 2.5" SATA HDD bay /2 x 2.5" SATA HDD bay (optional)
	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 12V; 60 x 60 x 25 mm (2.36 x 2.36 x 0.98 in)
Physical Characteristics	Dimensions (W x H x D)	419 x 269 x 108.2 mm (16.5" x 10.6" x 4.2")
	Weight	6.1kg (13.45lb)
OS Support	OS Support	According to motherboard specifications
Power Consumption	Input Voltage	24V$_{DC}$ ±20%, 12A
	Power Consumption	124W with PPC-MB-8260 166W with PPC-MB-610 140W with PPC-MB-620
LCD	Display Type	15.6" TFT LED panel
	Max. Resolution	1920 x 1080
	Viewing Angle	85 (left), 85 (right), 85 (up), 85 (down)
	Luminance (cd/m²)	450
	Contrast Ratio	1000
	Backlight Lifetime	50,000 hr
Touchscreen	Touch Type	10-point multi-touch projected capacitive
	Light Transmission	≧ 88%
	Controller	USB interface
Environment	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	-30 ~ 60 °C (-22 ~ 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

ADVANTECH **General Panel PCs**

Dimensions

Unit: mm

410.96

260.26

269.00

7.00
30.00

419.70

108.20

172.35 75.00

73.90
100.00

75.00 86.40

159.85 100.00

Panel Cutout Dimensions: 413 x 262 mm (16.25 x 10.31 in)

Ordering Information

M/B Part Number	Chassis Part Number	Cooler Part Number
PPC-MB-8260B/ PPC-MB-610B	PPC-615W-PTA	1960053207N001
PPC-MB-620A/PPC-MB-620B	PPC-615W-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

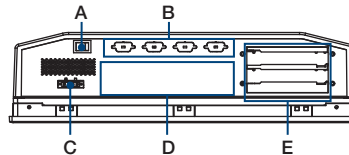| Part Number	Description
PPC-WLAN-D1	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna, Mini PCIe adapte (only for PPC-MB-8260)
PPC-WLAN-D2	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna(only for PPC-MB-6x0)
9893BE0200E	Riser card with 2 x PCIe x1 slots
9893BE03000	Riser card with 1 x PCIe x1 and 1 x PCI slots
9893BE17000	Riser card with 2 x PCIex8 slots (only for PPC-MB-6X0)
98R36151C20	Riser card with 1 x PCIex16 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
98R36151C10	the second 2.5" SATA HDD kit (only one riser card slots available)
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.

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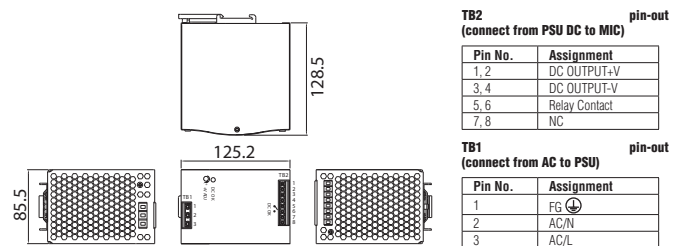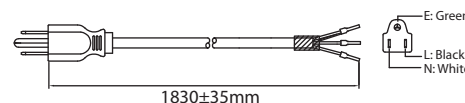Please contact Advantech for certificate compliance.

I/O View

A   B

C   D   E

A. Power switch
B. Reserved ports
C. DC-In
D. PPC-MB-XXXX I/O port
E. Expansion x 2

Note 1: The max. dimension of expansion cards supported is 178 x 110 x 40 mm.
Note 2: If the two slots are to be used simultaneously, the max. dimension supported is 178 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.
Note 4: If use dual HDD kits,only one riser card slots available.

Power Supply Cabling Guide

PSU power cord (1.83M)
P/N: 1700029720-01 (USA)
1700030520-01 (CN)
1700031408-01 (EU)

PSU DC-DC cable
P/N: 1700031170-01

128.5

125.2

85.5

TB2 pin-out
(connect from PSU DC to MIC)

Pin No.	Assignment
1, 2	DC OUTPUT+V
3, 4	DC OUTPUT-V
5, 6	Relay Contact
7, 8	NC

TB1 pin-out
(connect from AC to PSU)

Pin No.	Assignment
1	FG ⏚
2	AC/N
3	AC/L

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

E: Green
L: Black
N: White

1830±35mm

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