

PPC-6171C

17" Configurable Panel PC Chassis for Selectable Mini-ITX Motherboards



Features

- 17" true-flat panel PC with resistive touch
- 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

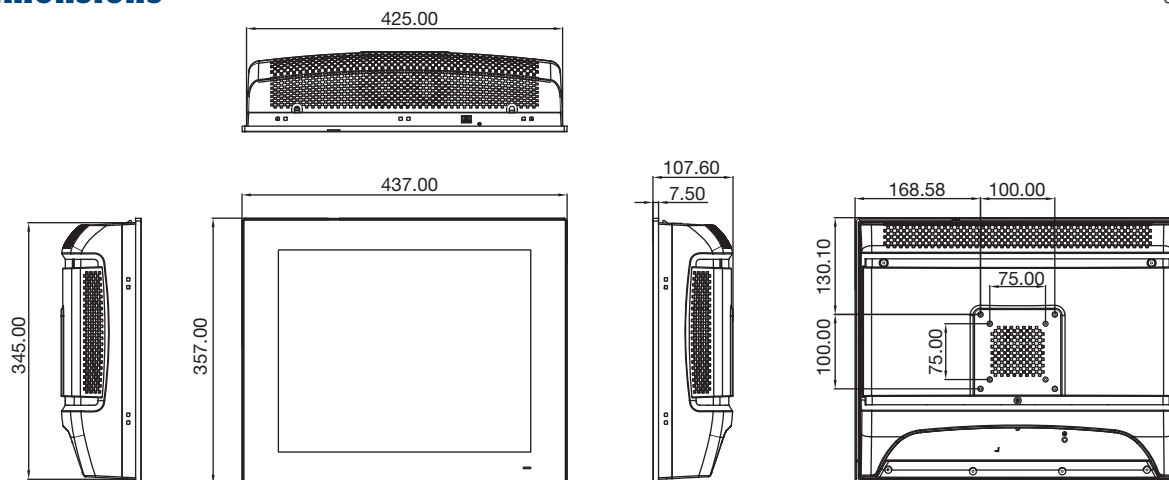


Specifications

Model		PPC-6171C-RTAE	PPC-6171C-RMAE
Supported Motherboard		PPC-MB series	AIMB-275
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 AC inlet 1 x Power switch Reserved opening: According to the PPC-MB series motherboard specifications	1 x AC inlet 1 x Power switch 1 x DP (input, for connecting the motherboard and LVDS panel) 1 x USB 2.0 (input, for connecting the motherboard and touch controller) Reserved opening: According to the 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	2 x 1 W (optional)
	Fan	2 x 12V; 60 x 60 x 15 mm (2.36 x 2.36 x 0.59 in)	
Physical Characteristics	Dimensions (W x H x D)	437 x 357 x 107.6 mm (17.2 x 14.06 x 4.2 in)	
	Weight	5.4 kg (11.9 lb)	
OS Support	OS Support	According to motherboard specifications	
Power Consumption	Input Voltage	100 ~ 240 V _{AC} , 250W	
	Power Consumption	125W with PPC-MB-8260 165W with PPC-MB-610 140W with PPC-MB-620	
LCD	Display Type	17" TFT LED panel	
	Max. Resolution	1280 x 1024	
	Viewing Angle	80 (left), 80 (right), 60 (up), 80 (down)	
	Luminance (cd/m ²)	350	
	Contrast Ratio	800	
	Backlight Lifetime	50,000 hr	
Touchscreen	Touch Type	5-wire analog resistive, with optional projected capacitive touch	
	Light Transmission	80+/-5%	
	Controller	USB interface	
	Durability	35 million touches	
Environment	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)(With 35W CPU)	0 ~ 50 °C (32 ~ 122 °F)
		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	10 ~ 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, 1 Grms @ with SSD, IEC 60068-2-64 compliant	
	EMC	CE,FCC,Class A,UKCA,VCCI	CE,FCC,Class A
	Safety	CB,CCC,UL,UKCA	CB,CCC,UL
Front Panel Protection	IP66 compliant		

Dimensions

Unit: mm



Panel Cutout Dimensions: 427 x 347 mm (16.81 x 13.66 in)

Ordering Information

M/B Part Number	Chassis Part Number	Cooler Part Number
PPC-MB-8260B / PPC-MB-610B	PPC-6171C-RTAE	1960053207N001
PPC-MB-620A/ PPC-MB-620B	PPC-6171C-RTAE	1970005354T001
AIMB-275	PPC-6171C-RMAE	1960053207N001

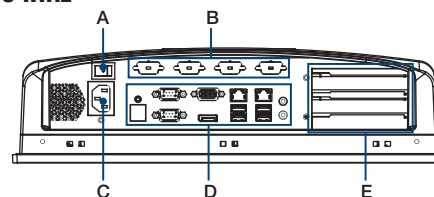
Note 1. The motherboard, chassis, and cooler should be ordered together to ensure easy configuration.
Note 2. The chassis is equipped with AC power supply and riser cards.

Optional Accessories

Part Number	Description
PPC-WLAN-D1	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna, Mini PCIe adapter
1702002605	Power cable (EU) 90D 220 ~ 250V/6A, 1.8 M
1702002600	Power cable (US) 180D 125V/10A, 1.83 M
1702031801	Power cable (UK), 1.8 M
96CB-POWER-B-1.8MA	Power cable (China), 1.8 M
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
1700027838-01	Cable for two internal USB for PPC-MB-XXXX with I/O BKT
98R36151C10	the second 2.5" SATA HDD (only one riser card slots available)
98R3P612100	TPM2.0 module for PPC-MB-610

I/O View

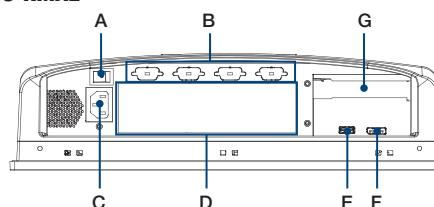
PPC-6171C-RTAE



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

Note 1: The max. dimension of expansion cards supported is 205 x 107 x 40 mm.
Note 2: If the two slots are to be used simultaneously, the max. dimension supported is 205 x 107 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.

PPC-6171C-RMAE



- A. Power switch
- B. Reserved ports
- C. AC inlet
- D. Mini-ITX motherboard I/O port
- E. USB 2.0 (input, for connecting the motherboard and touch controller)
- F. Display port (input, for connecting the motherboard and LVDS panel)
- G. Expansion x 1

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.