

PPC-6191C

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



Features

- 19" 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
- IP65-rated front panel
- Optional VESA mount module



Specifications

Model		PPC-6191C-RTAE		PPC-6191C-RMAE
Supported Motherboard		PPC-MB-8260AE		AIMB-275 AIMB-226
Chassis	Storage	1 x 2.5" SATA HDD bay		2 x 2.5" SATA HDD bay
	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-8260AE 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
		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)		1 x PCIe x4 or 1 x PCI (in the accessory box)
	Expansion			
	Speaker	2 x 1 W		2 x 1 W (optional)
Physical Characteristics	Fan	2 x 12V; 60 x 60 x 15 mm (2.36 x 2.36 x 0.59 in)		
	Dimensions (W x H x D)	454 x 379.8 x 107.5 mm (17.9 x 15 x 4.2 in)		
	Weight	5.8 kg (12.8 lb)		
OS Support	OS Support	According to motherboard specifications		
Power Consumption	Input Voltage	100 ~ 240 V _{AC} , 250W		
	Power Consumption	SKL: 100W (Burn-in test 7.0 in Windows 7, 64 bit) (with PPC-MB-8260AE) KBL: 128W (Burn-in test 8.1 in Windows 10, 64 bit) (with PPC-MB-8260AE)		
LCD Display	Display Type	19" TFT LED panel		
	Max. Resolution	1280 x 1024		
	Viewing Angle	85 (left), 85 (right), 80 (up), 80 (down)		
	Luminance (cd/m ²)	350		
	Contrast Ratio	1000		
	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	w/o VESA mount module 0 ~ 50 °C (32 ~ 122 °F) (With SKL CPU)	with VESA mount module 0 ~ 45 °C (32 ~ 113 °F) (With SKL CPU)	0 ~ 50 °C (32 ~ 122 °F) 0 ~ 45 °C (32 ~ 113 °F) with VESA mount module
		0 ~ 45 °C (32 ~ 113 °F) (With KBL CPU)	0 ~ 40 °C (32 ~ 104 °F) (With KBL CPU)	
		*** please refer to the PPC-MB-8260AE 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 HDD, IEC 60068-2-64 compliant		
	EMC	BSMI, CE, FCC, Class A		CE, FCC, Class A
	Safety	BSMI, CB, CCC, UL		CB, CCC, UL
Front Panel Protection	IP65 compliant			

Motherboard Specifications

PPC-MB-8260AE (For PPC-6191C-RTAE only)

CPU	CPU	KBL	i7-7700	i5-7500	i3-7101E	/	/
	Core NO.	SKL	i7-6700TE	i5-6500TE	i3-6100TE	Pentium G4400TE	Celeron G3900TE
	MAX Speed	KBL	Quad Core	Quad Core	Dual Core	Dual Core	Dual Core
		SKL	3.6GHz (up to 4.2GHz)	3.4GHz (up to 3.8GHz)	3.9GHz	/	/
	L3 Cache	KBL	2.4GHz (up to 3.4GHz)	2.3GHz (up to 3.3GHz)	2.7GHz	2.4GHz	2.3GHz
		SKL	8M	6M	4M	/	/
TDP	KBL	65W	65W	54W	35W	35W	35W
	SKL	35W	35W	35W	35W	35W	35W
Chipset			H110				
Memory			1 x 260-pin SODIMM DDR4, 2133 MHz, up to 16 GB (non-ECC)				
Network (LAN)			2 x 10/100/1000 Mbps Ethernet and 2 x Intel® I211				
Rear I/O			1 x RS232/422/485, 1 x RS232, 1 x DP1.2, 1 x VGA, 4 x USB3.0, 1 x Line-out, 1 x Mic-in				
Internal Connector			3 x RS232, 1 x GPIO (8 channels), 1 x speaker, 1 x LED, 2 x USB 2.0, 1 x LVDS, 1 x touch control, 2 x SATA				
Watchdog Timer			255 timer intervals, configurable using software				
Expansion			1 x full-size mSATA or mini PCIe and 1 x PCIe x4 slot for riser card				
Dimensions (W x H)			170 x 170 mm (6.69 x 6.69")				
OS Support			Microsoft® Windows 7 (32/64-bit), Windows 8.1/10 (64-bit), Linux (**KBL CPU only support windows 10 64bit)				

Ordering Information

M/B Part Number	Chassis Part Number	Cooler Part Number
PPC-MB-8260AE	PPC-6191C-RTAE	1960053207N001
AIMB-275	PPC-6191C-RMAE	1960053207N001
AIMB-226	PPC-6191C-RMAE	1960061914N001

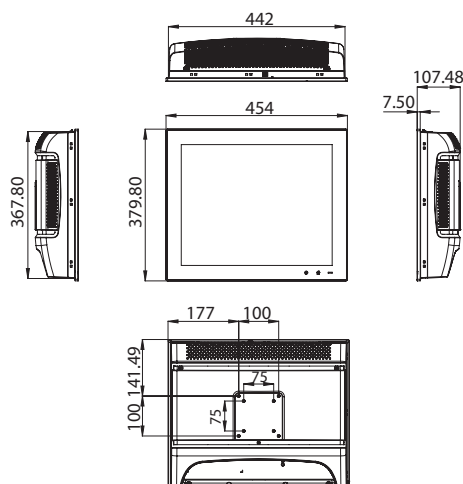
Note 1. The motherboard, chassis, and cooler should be ordered together to ensure easy configuration.
Note 2. The chassis is equipped with AC power supply and riser cards.

Optional Accessories

Part Number	Description
PPC-WLAN-B1E	Wi-Fi module with antenna cable (40 cm) for PPC
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-1.8M1	Power cable (China), 1.8 M
PPC-6191C-VESAE	VESA module for PPC-6191C (operating temperature 0 ~ 45 °C)
9893BE0200E	PPC-61X1C-RTAE riser card with 2 x PCIe x1 slots
9893BE03000	PPC-61X1C-RTAE riser card with 1 x PCIe x1 and 1 x PCI slots
PPC-ARM-A03	ARM VESA Standard (A-CLEVER) for PPC series (for VESA mount version only)
PPC-174T-WL-MTE	Wall mount kit for PPC series (for VESA mount version only)
PPC-Stand-A1E	Stand for PPC series (for VESA mount version only)
1700027838-01	Cable for two internal USB for PPC-MB-8260AE with I/O BKT

Dimensions

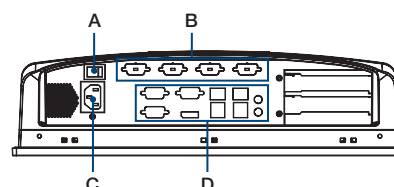
Unit: mm



Optional kit for VESA mounting using M4 8-mm screws
Panel Cutout Dimensions: 444 x 370 mm (17.48 x 14.56 in)

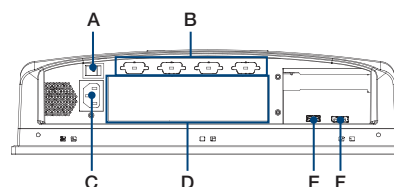
I/O View

PPC-6191C-RTAE



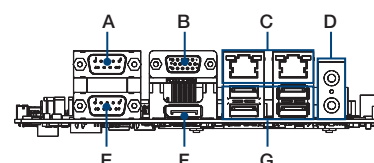
- A. Power switch
- B. Reserved ports
- C. AC inlet
- D. PPC-MB-8260AE I/O port

PPC-6191C-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)

PPC-MB-8260AE



- A. RS232
- B. VGA
- C. 2 x Gigabit Ethernet
- D. Line-out/Mic-in
- E. RS232/422/485
- F. Display Port
- G. USB 3.0