

CPC-1817B

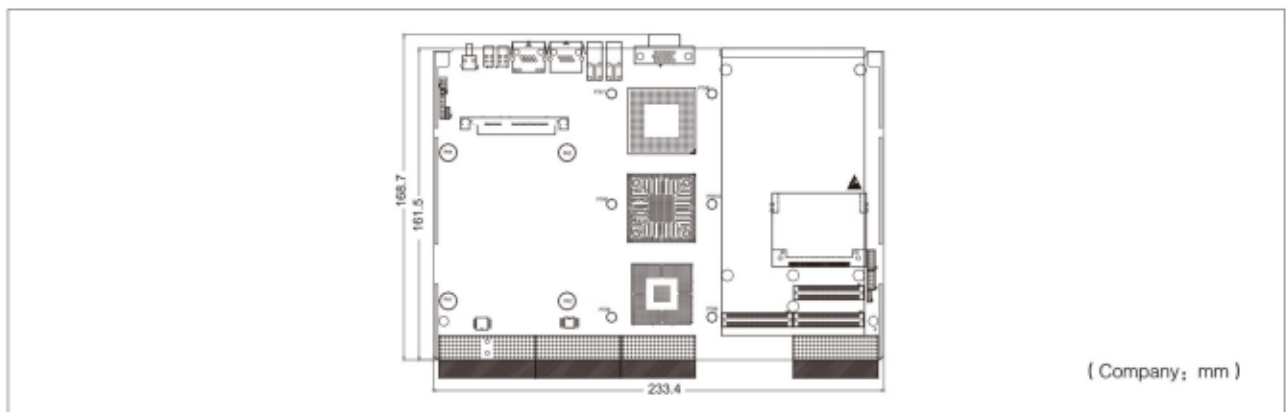
6U Compact PCI Intel® Core i5 processor blade



Features:

- ◆ Intel® Core™ i5-4400E, 2.7GHz
- ◆ Onboard 8G DDR3 ECC SDRAM 800/1066MHz memory
- ◆ Onboard 16GB SSD
- ◆ Supports up to 6 x 1000Mbps Ethernet port

Product size chart



(Company: mm)

Specifications

System configuration	CPU	Intel® Core i5-4400E 2.7GHz, BGA, Turbo Boost 3.3GHz
	Chipset	Mobile Intel® QM87 Express Chipset
	Memory	Onboard 8G DDR3 ECC SDRAM 1333MHz memory
Display ports	The platform supports DVI-I+DVI-D dual display, VGA Front panel VGA: 2048 x 1536@75Hz Rear panel: DVI-D, DVI-I, supporting dual-screen up/down, left/right extension display mode. The single screen supports 1920 x 1200	
Audio	Signal brought out to the rear panel	
LAN	2 x 1000Mbps Ethernet port on the front panel Rear IO board: 4 x independent 10/100/1000M Ethernet port to the rear IO board. Among them, two redundant 1000Mbps Ethernet ports provide PICMG2.16 function to the rear panel	
Storage	Front panel: onboard 16GB SSD, supporting 2.5" SATA, CF card (CPC-1817B-CF version) Rear IO board: 2 x SATA, supporting RAID 0, 1	
PMC/XMC	1 x PMC, 1 x XMC Available for CPC-1817B-XMC version	
I/O ports	Front panel: VGA, 2 x LAN, 2 x USB3.0, COM (RJ45), Y-type PS/2 CPC-RP807: 2 x USB2.0, DB9 type RS232, 422, 485 switchable, Y-type PS/2, DVI-D, DVI-I, GbE x2, MIC-IN/LIN-IN/LINE-OUT	
Operating temperature	Operating temperature: 0°C ~ 55°C -20°C ~ 70°C (optional wide temperature)	
Mechanical specifications	6U board dimensions: 4HP x 233mm x 160mm (H x W x D) Shock: 30g, 11ms (working status) 50g, 11ms (non-working status) Vibration (5Hz-2000Hz): 3Grms (working status) 5Grms (non-working status) Salt fog test: 2g/m3, normal operation, by test method according to GJB150.11-86 Mildew-proof test: According to the test method by GJB150.10-86, it meets Level1 requirements Humidity and heat test: Under relative humidity 100% condition, the metal parts have no corrosion; under 40°C ± 2°C, relative humidity 93% ± 3 condition, it can be normally stored and operated. Oil fog test: Under 40mg/m3 condition, it can be normally stored and operated.	
Compliant specifications	PICMG 2.0 R3.0 Compact PCI Specification PICMG 2.1 R2.0 Compact PCI Hot Swap Specification PICMG 2.16 R1.0 Compact PCI Packet Switching Backplane Specification	
Operating systems	Windows 7, Windows 8, VxWorks and Linux	

Ordering Information

Part Number	Model Number	Description
0030-020451	CPC-1817B-CF- three-proof	6U CompactPCI motherboard/Haswell platform i5- 4400E 2.7GHz CPU, BGA/ QM87 Chipset/VGA/dual DVI (at rear)/onboard 8GB DDR3L memory/2 x 1000Mbps LAN port/COM/VGA/2 x USB/SATA HDD bay/CF card slot/-20°C ~ +70°C
0030-020441	CPC-1817B-XMC- three-proof	6U CompactPCI motherboard/Haswell platform i5-4400E 2.7GHz CPU, BGA/QM87 Chipset/VGA/dual DVI (at rear)/onboard 8GB DDR3L memory/2 x 1000Mbps LAN port/COM/ VGA/2 x USB/SATA HDD bay/onboard 16G SSD/PMC/XMC/-20°C ~ +70°C
0060-004731	CPC-RP807	CPC-1817CL5NDA rear IO board/DVI-I& DVI-D/optional LVDS (onboard)/1 x COM/2 x USB/2 x 1000Mbps LAN port/Line-out/line-in/MIC-IN/onboard COM port pin header/onboard 2 x SATA