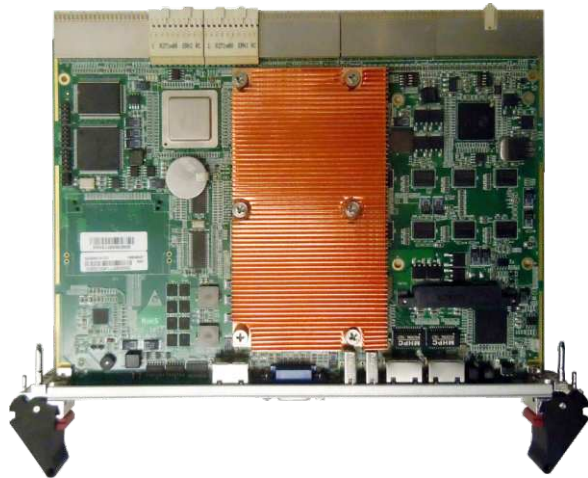


# CPCE-1811

A 6U dual-core wide-temperature CompactPCI Express SBC.



## Features

- Intel® Core™2 Duo Processor T7500, BGA, 4M L2 cache, 800Mhz FSB;
- Onboard 2GB 667MHz DDR II SDRAM;
- Onboard 2.5" SATA HDD bay, SAS/SATA modes, supporting RAID 0/1/5/10;
- Supports wide temperature (-40°C ~ 80°C).

## Specifications

### System

Processor	Intel® Core™2 Duo Processor T7500, 2.2GHz, BGA, 4M L2 cache, 800Mhz FSB
Chipset	Intel® GME965 + Intel® ICH8M
Memory	Onboard 2GB 667MHz DDR II SDRAM
Display port	Supports CRT, LVDS displays Supported resolutions: 2048x1536@75Hz (CRT); 1600x1200@75Hz (LVDS) VGA supports front-rear wiring
LAN	2 x GbE, Intel 82566 Ethernet controller
Storage	Onboard 1 x CF card slot on the front panel, 1 x 2.5" SATA II HDD bay. The rear IO board can support SATA II and RAID 0/1 SATA II/SAS, depending on different configurations.
PMC, XMC	1 x 32bit/33MHz PMC port
I/O ports	2 x USB2.0, 1 x RS232 (RJ45), 1 x VGA
Operating temperature	-40°C~80°C (military grade); -20°C~70°C (industrial grade) 0°C~55°C (commercial grade); 10%~95% (non-condensing)
Storage environment	-45°C~85°C; 10%~95% (non-condensing)

### Mechanical specifications

Dimensions (H×W×D)	4HP x 233mm x 160mm
Shock	20g, 11ms (operating status); 30g, 11ms (non-operating)
Vibration (5Hz-2000Hz)	1.5Grms (operating status); 2Grms (non-operating)
Power supply	Powered by the carrier board
Compatible specifications	PICMG 2.0 R3.0 Compact PCI Specification PICMG 2.1 R2.0 Compact PCI Hot Swap Specification PICMG 2.16 R1.0 Packet Switching Backplane Specification
Operating system	Windows XP, Windows2000, Linux, VxWorks

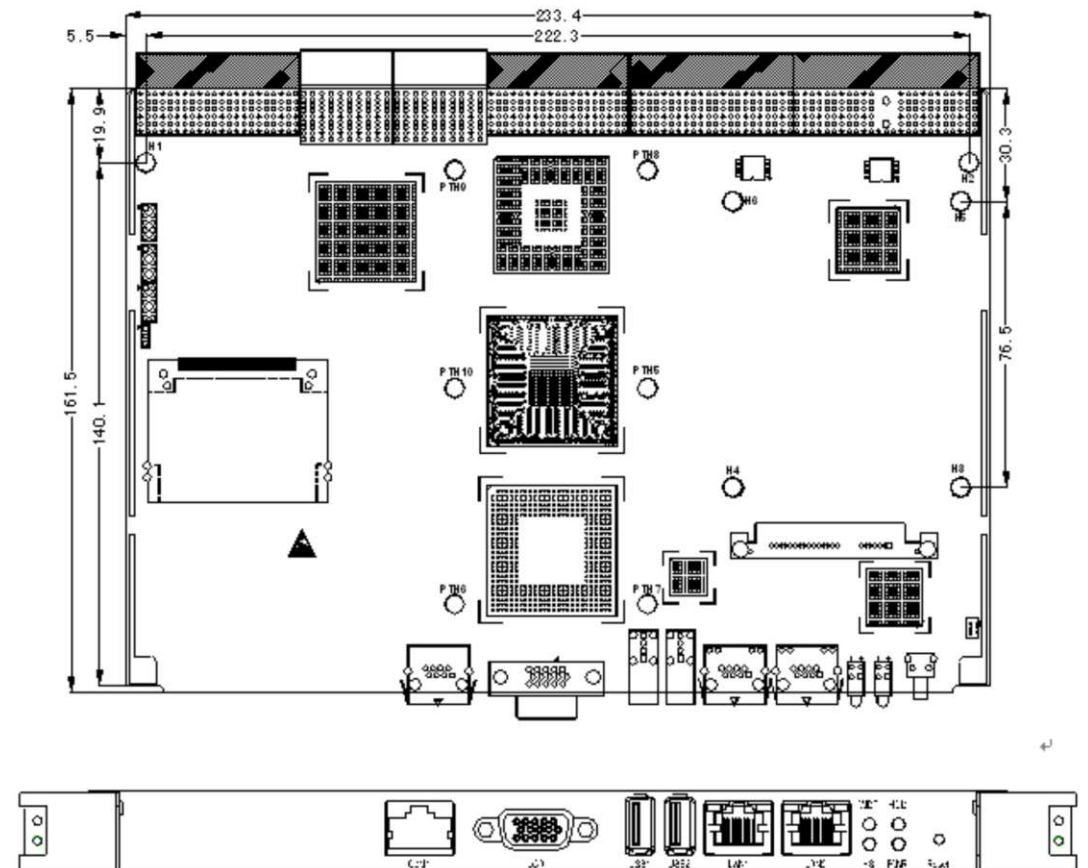
## Backplane (CPCE-9104)



## Features

- 1 x CPCI system slot
- 3 x CPCI-E Type 1 expansion slot
- The first slot is on the top, which is for the motherboard;
- The second slot is for expansion card, TYPE 1, supporting PCI-E x8, to be connected to XP3 1PETp0-7, 1PETn0-7, 1PERp0-7, 1PERn0-7;
- The third slot is for expansion card, TYPE 1, supporting PCI-E x8, to be connected to XP3 1PETp0-7, 1PETn0-7, 1PERp0-7, 1PERn0-7;
- The fourth slot is for expansion card, TYPE 1, supporting PCI-E x8, to be connected to XP3 1PETp0-7, 1PETn0-7, 1PERp0-7, 1PERn0-7;
- SLOT2/P3 is directly connected to SLOT3/P3; SLOT3/P4 is directly connected to SLOT4/P4; SLOT2/P5 is directly connected to SLOT4/P5.

## Dimensions



## Ordering Information

Part Number	Model Number	Description
1060-002891	CPCE-9104	6U 4-slot CPCI-E backplane/1 x main control slot/3 x standard CPCI-E x8 slot
1030-013261	CPCE-1811	6U CPCI-E motherboard/T7500 2.2 GHz/2G 667MHz DDR2 SDRAM/3 x CPCIe x8 bus connector/PMC port/RS232/VGA/ 2 x USB2.0/2 x GbE