

CPC-3813-MIL

Rugged Conduction-cooled 3U Compact PCI Blade



Features

- Onboard Intel® Core™ i7-620UE processor, 32nm technology, dual-core four-thread processing mechanism, rated power consumption: 18W;
- Onboard 2GB DDR3 ECC SDRAM 800MHz memory;
- Conduction-cooled rugged design;
- Onboard 8GB SSD.

Specifications

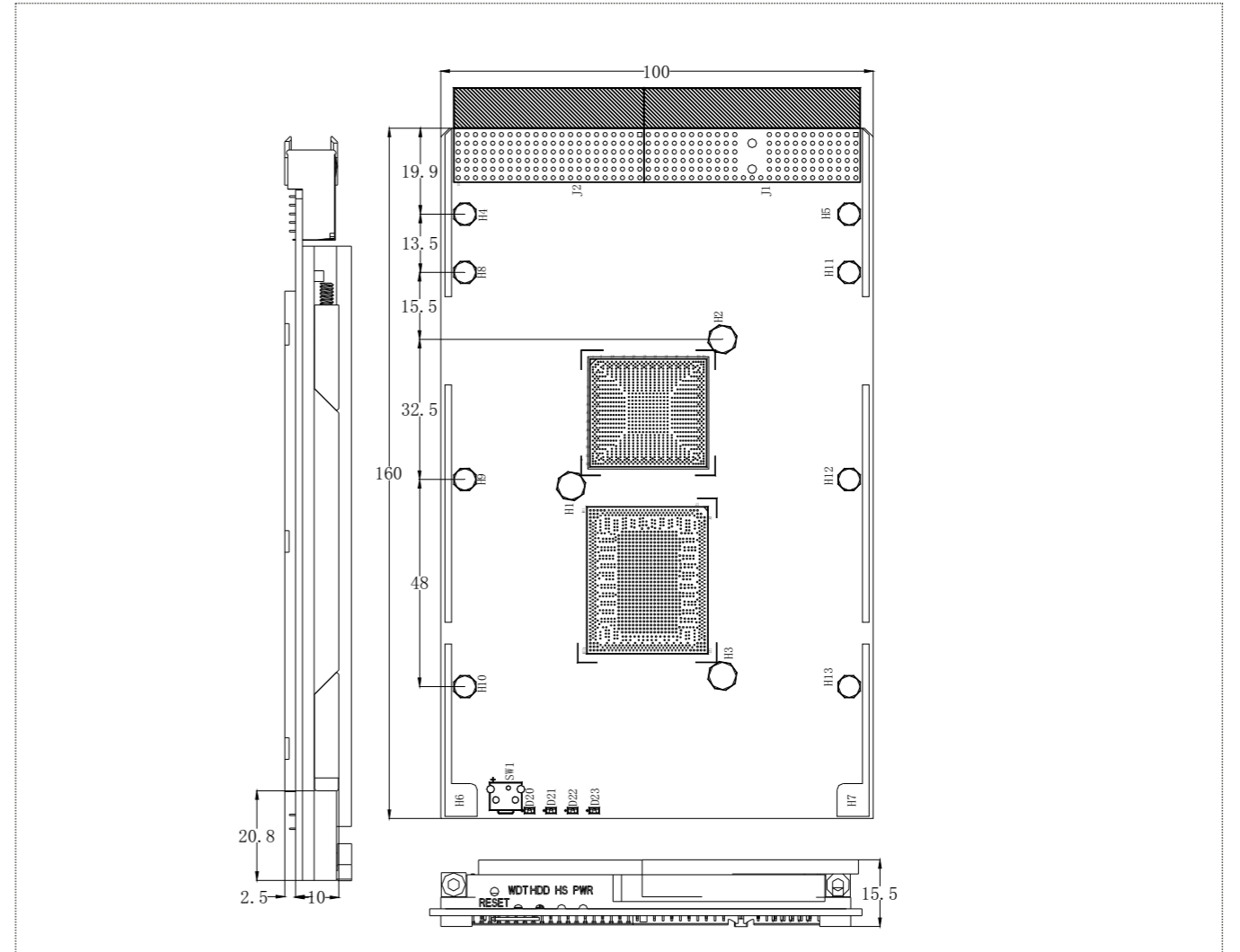
System

Processor	Onboard Intel® Core™ i7-620UE processor, 32nm technology, dual-core four-thread processing mechanism, clock frequency 1.06GHz, rated power consumption 18W
Chipset	Intel® QM57 Express
Memory	Onboard 2GB DDR3 ECC SDRAM 800/1066MHz memory, supporting Un-buffered ECC; supports single-channel function; a single memory channel supports up to 2GB capacity
Display port	Supports independent VGA output; the maximum resolution and refresh rate supported by VGA is 1920x1200@60Hz; VGA signal is brought out to J2 connector.
LAN	2 x independent 10/100/1000Mbps Ethernet signal to J2 connector, without transmission of indicator signal
Storage	2 x SATA interface, brought to J2 connector
Expansion bus	7 x 32-bit CPCI slot, compatible with CompactPCI standard
I/O ports	2 x COM port, brought to J2 connector, supporting RS-232 2 x USB2.0 port, brought to J2 connector
Operating temperature	-40°C ~ 80°C; 10% ~ 95% (non-condensing)
Storage environment	-55°C ~ 85°C; 10% ~ 95% (non-condensing)

Mechanical specifications

Dimensions (H×W×D)	15.5mm x 100mm x 169.3mm
Shock	20g, 11ms (operating status); 50g, 11ms (non-operating)
Vibration (5Hz-2000Hz)	3Grms (operating status); 5Grms (non-operating)
Power supply	CPCI power supply, supporting S0, S1
Compatible specifications	PICMG 2.0 R3.0 Compact PCI Specification
Operating system	PICMG 2.1 R2.0 Compact PCI Hot Swap Specification
Rear IO board model No.	Windows2000, Windows XP, VxWorks CPC-RP3813

Dimensions



Ordering Information

Part Number	Model Number	Description
0030-018081	CPC-3813-MIL	3U CPCI motherboard i7-620UE1.06GHz/2G DDR3/2 x GbE/VGA/2 x USB2.0/2 x SATA/2 x RS-232/-40°C ~ 80°C
0060-004841	CPC-RP3813	CPC-3813-CL3NDA rear IO board/2 x GbE/VGA/2 x USB2.0/2 x SATA/ 2 x RS-232