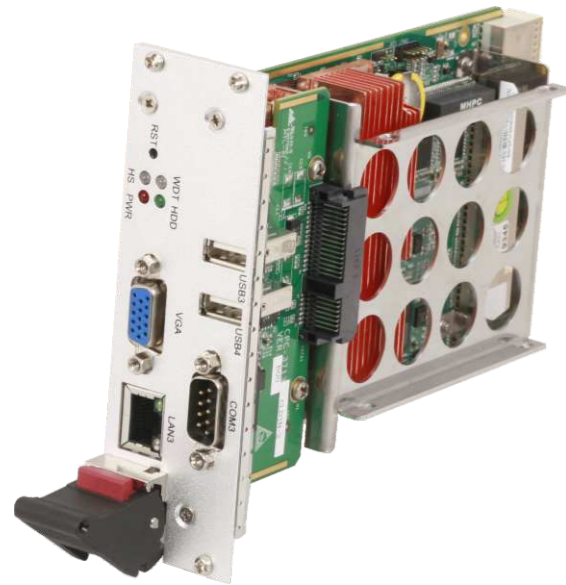


CPC-3713CLD3N

3U Compact PCI Intel® Atom processor blade



Features

- Onboard Intel® Atom N455 processor, 45nm technology, single-core dual-thread processing mechanism, power consumption of the chip: 6.5W;
- Onboard 2GB DDR III ECC SDRAM 667MHz memory;
- Ultra-low power design.

Specifications

System

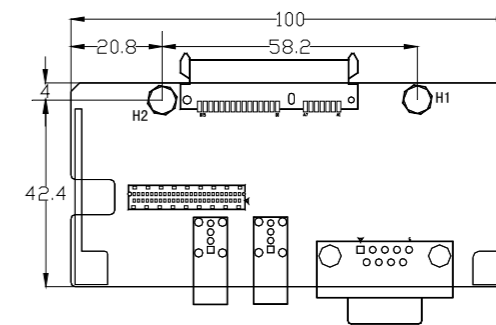
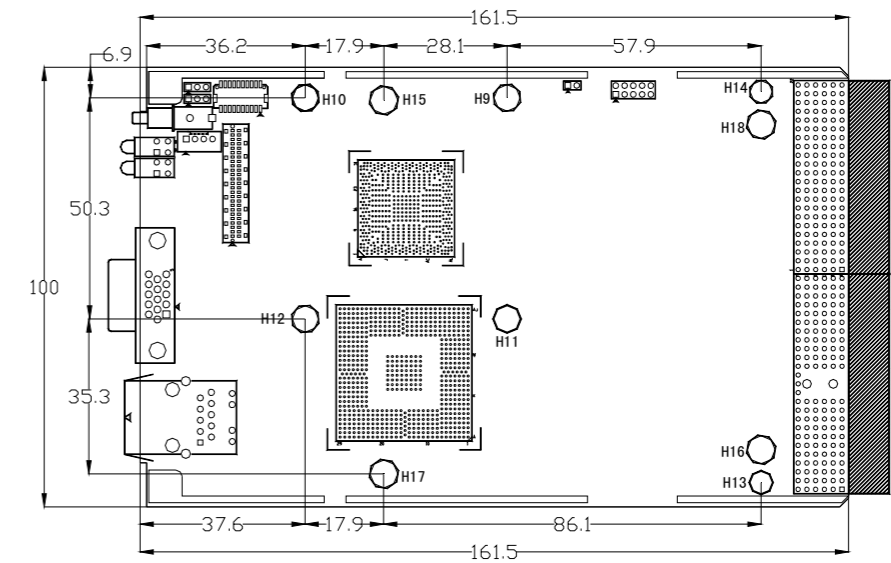
Processor	Onboard Intel® Atom™ N455 processor, DMI:2.5GT/S, 45nm technology, single-core dual-thread processing mechanism, clock frequency 1.66GHz, rated power consumption 6.5W
Chipset	Intel®ICH8M Chipset
Memory	Onboard 2GB DDR III ECC SDRAM 667MHz memory

Display port	Supports VGA, LVDS output, VGA: 2048×1536@75Hz; VGA signal brought to rear IO, single-channel 18-bit LVDS A signal brought to rear IO
Audio	1 x Gigabit Ethernet port on the front panel
LAN	2 x independent 10/100/1000M Ethernet port to rear IO board
Storage	3 x SATA interface; one onboard, the other two are brought to rear IO via J2 connector
Expansion bus	7 x 32-bit CPCI slot, compatible with CompactPCI standard
I/O ports	3 x COM port, one on front panel, the other two brought to rear IO via J2 connector 4 x USB2.0 port, two on front panel, the other two brought to rear IO via J2 connector
Operating temperature	-20°C~70°C; 10%~95% (non-condensing)
Storage environment	-40°C~85°C; 10%~95% (non-condensing)

Mechanical specifications

Dimensions (H×W×D)	8HP 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	Powered by backplane
Compatible specifications	PICMG 2.0 R3.0 Compact PCI Specification PICMG 2.1 R2.0 Compact PCI Hot Swap Specification
Operating system	Windows2000, Windows XP, Windows 2003, VxWorks, Linux
Rear IO board model No.	CPC-RP3713

Dimensions



Ordering Information

Part Number	Model Number	Description
0030-018651	CPC-3713CLD3N	3U CPCI motherboard/Atom N455 1.66GHz/2G DDR3/GbE/VGA/2 x USB2.0/SATA/RS-232/-20°C~+75°C
0030-018661	CPC-3713CLD3N-T	3U CPCI motherboard/Atom N455 1.66GHz/2G DDR3/GbE/VGA/2 x USB2.0/RS-232/CF card slot/-20°C~+75°C
		CPC-3713CL3N rear IO board/2 x GbE/VGA/2 x USB2.0/2 x SATA/2 x RS-232/LVDS