

CPC-3816B 3U CompactPCI® Blade with Intel® CM236

Brief Introduction

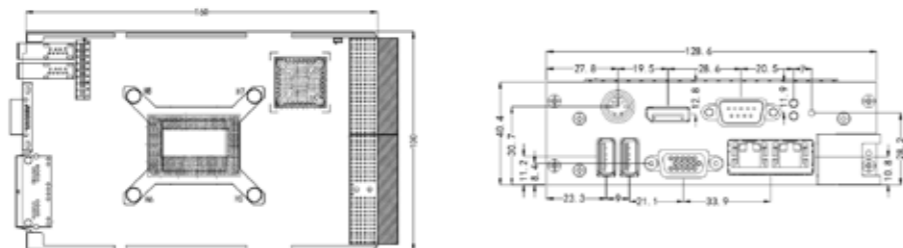
CPC-3816B is a standard 3U CompactPCI motherboard, based on Intel 6th generation high performance CPUs, graphics core integrating Intel® HD Graphics engine, supporting DX11 and 3D output. This board has two VGA display ports, one DP display port, two USB3.0/USB2.0 ports, two USB2.0 ports, two COM ports, three SATA3.0 interfaces, one onboard SSD, four GbE LAN ports, and provides 8GB onboard DDR4 2133MT/s non-ECC memory.



Features

- Adopt Intel® CM236 platform
- Onboard Intel® 6th Gen i7/i3 CPU
- Onboard 8GB DDR4 and 16GB SSD
- 2 x VGA and 1 x DP, support tri-independent display
- Support fanless environment for -20~55°C
- Meet EN50155

Product size chart



(Company : MM)

Specifications

Items	Specification
Chipset	Intel® CM236
CPU	Intel® Core™ i7-6822EQ 2.0GHz, i3-6102E 1.9GHz
Memory	Onboard 8GB DDR4 2133MHz, support dual-channel
Standards	PICMG® 2.0 R3.0
CompactPCI® Bus	32bit/64bit, 33/66MHz
Storage	Onboard 16GB SSD or mSATA 3 x SATA 3.0
LAN	Front panel: 2 x 10/100/1000Mbps network ports Rear I/O: 2 x 10/100/1000Mbps network ports
Display	Front panel: 1 x VGA, 1 x DP Rear I/O: 1 x VGA
USB	Front panel: 2 x USB 3.0 Rear I/O: 2 x USB 2.0
Serial Port	Front panel: 1 x COM support RS232/422/485 Rear I/O: 1 x COM support RS232
Audio	Rear I/O: Mic-in, line-in, line-out
PS/2	Front panel: 1 x PS/2 KB/MS
Power Supply	CPCI Power Supply, support S0, S5
Operating System	Win7, Win8, Win10, VxWorks 6.9, Linux
Mechanical	Form Factor: 3U 8HP CompactPCI® Shock: 20g, 11ms Vibration (5~200Hz): 1.5g (operation); 2.0g (storage)
Environment	Operating temperature: -25 ~ 55°C (Fanless) Storage temperature: -40 ~ 85°C Humidity: 10% ~ 95% Non-condensing
Dimensions (L x W x H)	165mm x 128.6mm x 40mm

Ordering Information

P/N	Model	Description
0030-021351	CPC-3816B-01	3U 8HP CompactPCI®/Intel® i7-6822EQ/8GB DDR4/16GB SSD/1 x SATA/1 x VGA/1 x DP/2 x LAN/2 x USB 3.0/1 x COM/1 x PS/2
0030-021361	CPC-3816B-02	3U 8HP CompactPCI®/Intel® i3-6102E/8GB DDR4/mSATA/1 x SATA/1 x VGA/1 x DP/2 x LAN/2 x USB 3.0/1 x COM/1 x PS/2
0030-021571	CPC-3816B-03	3U 8HP CompactPCI®/Intel® i7-6822EQ/8GB DDR4/mSATA/1 x SATA/1 x VGA/1 x DP/2 x LAN/2 x USB 3.0/1 x COM/1 x PS/2
0030-021581	CPC-3816B-04	3U 8HP CompactPCI®/Intel® i3-6102E/8GB DDR4/16GB SSD/1 x SATA/1 x VGA/1 x DP/2 x LAN/2 x USB 3.0/1 x COM/1 x PS/2
0060-005001	CPC-RP3816B	Rear I/O: 2 x SATA/1 x VGA/2 x LAN/2 x USB 2.0/1 x COM