



PART NUMBER: 6U-CPU-XEON

- Supports 22nm Intel® Xeon® processor
- Intel® DH8900 chipset supports DM1.0 x 4
- Up to 16GB DDR3-1333/1600 ECC memory
- Supports up to five GbE ports, six USB2.0 ports, two VGA ports, three COM ports, one PS/2 connector, three 2.5" SATA connector, one Cfast, one PCIe 2.0x4 interface to RTM
- PICMG2.0 R3.0, PICMG2.1 R.0, PICMG2.16 R1.0 Compliant

SPECIFICATION

Processor System	CPU	Quad-Core Intel® Xeon® Processor E3-1125C v2
	Max Speed	Up to 8MB L3 Cache, 2.5 GHz
	Chipset	Intel® DH8900 PCH (Cave creek)
	BIOS	Redundant AMI 8 MByte SPI flash
Memory	Technology	Dual Channel DDR3 1333/1600 MHz with ECC
	Max. Capacity	8GB on board
	Socket	SO-DIMM x1, up to 8GB
Compact PCI Interface	J1 ~ J2 Connectors	64bit/66MHz PCI local bus
	J3 Connector	PICMG2.16 + RTM
	J5 Connector	RTM
	Bridge	Pericom PI7C9X130DNDE
	Mode	System Master/Drone
Ethernet	PHY	4 Marvel I 88E1112-C2-NNC1I000 Gigabit Ethernet PHY
	Interface	SGMII, 10/100/1000 Base TX Ethernet
	I/O Connector	PICMG2.16 x 2 to J3, RTM x2 or RJ45 x1 to front
	Controller	Intel® WGI210AT SLJXR Gigabit Ethernet Controller
	Interface	PCIe 1.0x1, 10/100/1000 Base TX Ethernet
Graphics	I/O Connector	RJ45 x1 to front
	Controller	SM750GX160000-AC ,265P, 16Mbytes of embedded 32-bit DDR memory
	Resolution	Dual display: 1360 x 768 (Clone & extended mode) Single display:1920 x 1080 (16bit, clone mode only)
Storage	Mode	SATA-II
	Channels	1 channel to on board SATA carrier or on board NAND flash
		1 channel to on board cfast socket 2 channels to RTM
Front I/O	USB2.0	3 type A
	COM	1 RS232/422 on RJ45
	LAN	1 RS232/422 on RJ45
	Graphics	1 VGA port on 4HP
	Front Panel LEDs	x1 blue/yellow for Hot Swap/HDD, x1 green for Power, and x1 green for Master/Drone mode
	Buttons	System reset button

To RTM	USB2.0	3 ports		
	COM	2 RS232/422/485 on RJ45 or DB9		
	LAN	PICMG2.16 x2 to J3, RTM x2 (1 mux to front)		
	SATA	2 ports		
	PCIe	PCIe2.0 x4		
	Graphics	1 VGA port		
	Others	PS/2 for KB & Mouse		
BIOS	Boot Options	SATA,USB port, USB disk, network (PXE)		
Watchdog Timer	Output	Local reset & interrupt		
	Interval	Programmable 1s ~ 255s		
Hardware Monitor	Controller	NCT6776D		
Operating System	Compatibility	Windows7, Windows7 Embedded, Linux		
Power Requirement	TDP (max./typ.)	4HP:80W		
Physical	Dimension & Weight	6U/1 slot width (4HP): 233.35 x 160 x 20 mm (9.2" x 6.3" x 0.8")		
Environment		Operating	Non-operating	
	Temperature	0 ~ 55° C (32 ~ 122° F)	-40 ~ 85° C (-40 ~ 185° F)	
	Humidity	95 % @ 40° C, non-condensing		
	Vibration	2.0G Grms (Single slot, without on-board 2.5" SATA HDD)	2Grms	
		1.06 Grms (Dual slot, without on-board 2.5" SATA HDD)		
	Shock	10G (Without on-board 2.5" SATA HDD)	30G (Single slot, without on-board 2.5" SATA HDD)	
Altitude	15000 feet above sea level	40000 feet above sea level		
Regulatory	Conformance	FCC Class A, CE, RoHS		
	NEBS Level 3	Designed to meet GR-63-Core and GR-1089-Core		
Compliance	Standards	PICMG2.0 R3.0, PICMG2.1 R.0, PICMG2.16 R1.0		

The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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