

HPC-1420-ISSE

**Robust 1U Quad-Core Intel®
Xeon® Processor with Innovative
Cable-less Design**



Features

- Supports advanced Intel® Dual-Core 5000/5100 and Quad-Core 5300 family Xeon® processors
- High memory capacity up to 48 GB
- 2 expansion slots support PCI-X and PCI Express
- Cable-less design to enhance system reliability
- Built-in 700 W single power supply
- Supports four hot-swappable SAS/SATA2 HDD



Specifications

Processor System	CPU	Intel Dual-Core 5000/5100 and Quad-Core 5300 family Xeon processor
	Max. Speed	3.0 GHz
	Front Side Bus	667/1066/1333 MHz
	L2 Cache	2 x 2 MB or 4 MB L2 cache
	Chipset	Intel 5000P MCH Intel 6321 ICH Intel 6702 PXH
Expansion Slot (via riser card)	PCI	1 x Full-Height/Half-Length 64-bit PCI-X
	PCIe	1 x Low Profile PCIe x8 slot
Memory	Technology	Four Channel ECC Reg. DDR2 533/667 FBD SDRAM
	Max. Capacity	48 GB
	Socket	12
Graphics	Controller	ATI ES1000 VGA Controller
	VRAM	16 MB DDR SDRAM
Storage	SAS Controller	LSI 1068 PCI-X 8-port SAS controller: Supports RAID 0, 1, 1E (RAID 5 only with optional ZCR)
	HDD Bays	Supports 4 x Hotswap SAS/ SATA2 HDD
	Optical Drive	Slim Type DVD-ROM
Ethernet	Interface	10/100/1000Base-T
	Controller	Intel 82563EB PCIe Dual-port GbE
	Connector	2 x RJ-45
I/O Connectors	Serial Port	1
	RJ-45	2
	USB	4 x USB 2.0 ports (Front x 2, Rear x 2)
	VGA	1
	PS/2 Keyboard	1
	PS/2 Mouse	1
Power Supply	Power Supply	700 W Single ATX
Environment	Temperature	Operating: 10 ~ 35° C / Non-Operating: -40 ~ 70° C
	Humidity	Non-Operating: 20% ~ 90% (Non-Condensing)
Physical Characteristics	Dimensions (D x W x H)	686 x 444 x 43.4 mm (27" x 17.5" x 1.75")
	Net Weight	15 kg (33.1lb)

Ordering Information

Model Name	Server board	DVD-ROM	PSU	CPU	RAM	HDD
HPC-1420-ISSE	Yes	Yes	Yes	-	-	-

Top View



Standard Accessories

Item	Quantity
Rack mounting brackets	x 1
Air duct	x 1
CPU cooler	x 2
COM port cable	x 1
US power cord	x 1
Driver CD	x 1
Manual	x 1

Optional Accessories

Part Number	Description
9680003805	ZCR module for SAS RAID 5 (PCI-X card), supply with independent PCI-X riser card
9680003785	IPMI 2.0 server management board (SODIMM type)
1757000797	700W power module for redundant power