

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



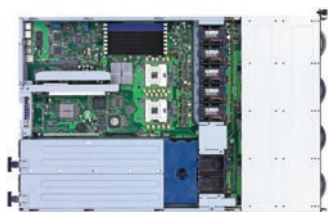
Specifications

| | | |
|---------------------------------|------------------------|---|
| 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 |
| Power Supply | PS/2 Mouse | 1 |
| | 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 |
|-------------|--|
| 968003805 | ZCR module for SAS RAID 5 (PCI-X card), supply with independent PCI-X riser card |
| 968003785 | IPMI 2.0 server management board (SODIMM type) |
| 1757000797 | 700W power module for redundant power |