

Intera[®] ZQ

Fault Tolerant 64 Bit Computing for Enterprise Networks

Engineered for Maximum Scalability

Intera ZQ (Intel[®] Xeon[®] Processor Quad) servers are designed to provide enterprise-class scalability for Microsoft*, Novell*, Unix* and Linux* networks, while offering a variety of options to match performance, technical and budget requirements.

Up to four Dual-Core Intel[®] Xeon[®] Processors with up to 4 MB L2 Cache in a single 4 or 7U rack-mount or pedestal chassis. Through innovations such as Hyper-Threading Technology and Intel[®] Extended Memory 64 Technology (Intel[®] EM64T), these 64-bit versions of the Intel[®] Xeon[®] processor provide a next-generation 667MHz system bus and exceptional support for 64-bit mid-tier operating systems and applications.

Superior Performance

The Intera ZQ features an integrated Intel[®] E8500 chipset, providing for unsurpassed system speed and performance, while remaining backwards compatible with all current operating systems and applications.

With multi-processor support, select the power that matches your requirements, then upgrade with additional processors as your network grows. Up to 8MB L3 processor cache (Single-Core) maximizes performance by reducing memory access time and providing fast access to recently used data and instructions. Cache scales with the processor frequency.

The Intera ZQ also features support for up to 64GB of DDR2-400 ECC memory for hosting the most demanding network environments and CPU intensive applications. ECC memory support to correct single-bit errors and detect multiple-bit errors; supports memory RAID, hot-plug memory, memory sparing and mirroring. Seven PCI slots: four PCI Express* (hot-plug), one PCI-X 133MHz (hot-plug), two PCI-X 100MHz, provide for full system expansion capability. Remote Management - Remote access both in-

band and out-of-band to system status, logs, configuration data, and utilities without the need for a remote-management card; event filtering and proactive alerting through LAN and mobile devices. System Monitoring and Autorecovery - System health indicators and corrective actions including automated power cycling, OS watchdog timer, and fault-resilient booting. Server Troubleshooting - Continuous health monitoring, text console redirection, and error logs. Intelligent Platform Management - Support Intelligent Platform Management Interface (IPMI) 2.0.

A Variety of Data Storage Options

PerifiTech[®] Raidium[®] disk arrays provide RAID 0, 1, 3, 5 and 10 data storage in capacities up to 3.6TB. PerifiTech's patented, award-winning SCSI enhancement technology includes SCSI device management software and an OS-specific disk optimization process which combine to significantly lower CPU utilization while increasing data throughput up to 100%, compared to non-enhanced systems. As a result, Raidium disk arrays achieve surplus I/O bandwidth, allowing multiple servers to share a single array. With Multi-Hosting, Raidium disk arrays drastically lower deployment costs, particularly in server farms.

PerifiTech Aero[®] Tape backup solutions provide data archiving to magnetic tape on DAT, SuperDLT drives and AutoLoaders with capacities over 10TB. Computer Associates* Brightstor* ARCserve* is offered for complete tape operation and client agent support. When combined with PerifiTech's SCSI technology, AeroTape backup and restore speeds are optimized to reach over 400GB/hr!

The Preferred Choice

Intel[®] Xeon[®] Processor 7000 Sequence power, scalable RAID data storage and a variety of data backup solutions make the Intera ZQ the ultimate platform for hosting any mission-critical, fault-tolerant network environment.



Key Features:

- **Intel[®] Xeon[®] Processor 7000 Sequence**
Unsurpassed speed, compatibility and scalability
- **Intel[®] E8500 Chipset**
Supports up to 64GB memory for demanding applications
- **Seven PCI Expansion Slots**
Allows for future peripheral expansion
- **Raidium Disk Arrays**
RAID 0, 1, 3, 5, & 10 fault tolerant data storage up to 3.6TB
- **Award-Winning SCSI Technology**
Provides unmatched hard drive throughput
- **Removable Disk Storage**
Adds data security and easy disk replacement
- **Advanced Health Monitoring**
Provides warning for potential temperature and voltage issues
- **N+1 Power System**
Sustains operation with redundant power



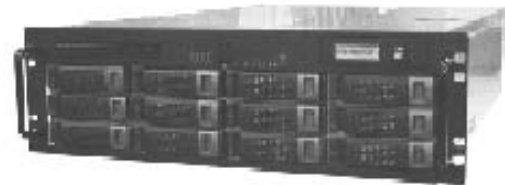
Product Specifications

CPU:	Intel® Xeon® Processor 7000 Sequence Up to 8M Level 3 Cache Single Core Up to 4M Level 3 Cache Dual-Core Supports one, two, three or four processors
Chipset:	Intel® E8500 Chipset, Supports 667MHz Front Side Bus
Memory:	Up to 64GB Registered ECC DDR2 400 DIMMs must be installed in sets of four RAID 1, 5 and memory sparing
I/O Slots:	1 X PCI-E x8 3 X PCI-E x4 1 X PCI-X 133MHz 2 X PCI-X 100MHz
Video:	ATI* Radion*7000 16MB
Interfaces:	Two 10/100/1000 Intel® LAN Dual Ultra 320 SCSI (optional) Super I/O PC 87364
Storage:	CD/DVD ROM
Input Devices:	104 Key Enhanced Keyboard(USB) 2 Button Mouse(USB)
BIOS Features:	AMI* Bios - 2MB Flash ROM, DMI Compliant, ACPI Compliant, APM Compliant, Intel® LDCM Compliant, Virus Protection, Power-up mode control upon recovery from AC power loss, hot keys for rescue from BIOS flash failure.
Health Monitor:	CPU core, +5V and +12V fan status monitor, CPU/chassis temperature monitor, CPU fan auto-off in sleep mode. Remote Lights Out
Chassis:	7U Rack /10 Bay TowerChassis 3 X 1200W (N+1) Hot Swap Power 5 Bay 4U Rack Chassis 2 X 500W Hot Swap Power(208V)
Configuration Options:	Ultra320 SCSI Disk Drives SCSI Enhancement Kit w/Controller
Optional Accessories:	Raidium Disk Array Subsystems AeroTape Backup Solutions
Warranty:	3 year limited warranty - parts & labor

4U Intra ZQ



Raidium 4300 Disk Array



Over 3TB of RAID 0, 1, 3, 5 and 10 data capacity. SAN support allows the Raidium 4300 to be shared by multiple servers. Tower or Rackmount chassis'.

AeroTape Backup Solutions



AeroTape tape drives offer high performance data backup/restore in single and multi-drive autoloader models.

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PerifiTech 
Where Performance Is Paramount

15224 Neo Parkway, Cleveland, Ohio 44128

Tel: 216.332.0655 • Fax: 216.332.0656

Email: sales@perifitech.com • URL: www.perifitech.com