

Quad Core Server Technology

The I4004 server offers an enormous amount of storage capacity with up to 8 hot swap SATA hard drives, a quad core Intel® Xeon 5300 series processor, a single or redundant power solution, dual gigabit ethernet, and up to 12GB of fully buffered DDR2 533/667 memory. This powerful server is available in pedestal or 4U rack mount configurations. And the ability to use the internal tape backup device and add additional network adapters or remote management options provides you with a total server solution.



Howard Computers recommends genuine Microsoft® Windows® Server 2003.

The Howard Advantage!

With every Howard product purchase, you receive the following for **FREE!**

- ✓ Phone and web tech support for the LIFE of your system
- ✓ 100% US-based, English-speaking customer support 24/7/365
- ✓ Phone hold times < 1 minute
- ✓ Reliable disaster recovery software

Experience the **Howard difference.**



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Feature	Description
Chipset	Intel® 5000V chipset
Processor Options	Supports 2x Intel® Xeon® 5300/5100/5000 series processors, 667 / 1066 / 1333 MHz front side bus
System Memory	12GB of fully buffered DDR2 533/667
Hard Drive	Integrated Intel®ESB2 Southbridge RAID 0/1/5/10, 3x 5.25" external bays for optical drive and floppy options, and Support for up to 8x SAS hard drives
Graphics	Integrated ATI® ES1000 16MB
I/O Slots	1x PCIe x8, 1x PCIe x4, 2x PCI-X slot and 2x PCI slots
I/O Ports	Rear Panel: VGA:1, Console Port: 1, Gigabit Ethernet: 2, PS/2 ports for keyboard and mouse: 2, USB 2.0 / 1.1: 2
Network	Intel® ESB2 Dual Port Gigabit Adapter
Power Supply	Single 650 watt or triple redundant 750 watt power supply
Dimensions	Pedestal / 4 U form factor: 7" (H) x 17.1" (W) x 25.5" (L)

What are your needs?	Yes	No
Easy to set-up & configure	•	
Recommended for entry-level		•
Ideal database server	•	
Great for email, file, print & internet	•	
Ideal for multi-site telephony (VoIP) applications	•	
Removable storage device	•	
Optional internal tape drive	•	
Rack mountable server	•	
Pedestal server	•	
Processor-intense applications	•	
Vast internal storage	•	
Embedded RAID 0,1	•	
Hot-swappable serial ATA hard drives	•	
Xeon 3200/3000 series 533/800/1066 MHz FSB		•
Xeon 5000/5100/5300 series 667/1066/1333 MHz FSB	•	
Includes Lifetime support via phone and web	•	

Q: Can this server support an office of 10 – 15 employees?

A: Yes. These systems were developed to feature rich applications and to support a larger user installation base.

Q: Can this server handle Voice over IP applications and performance requirements?

A: Yes. Even modestly configured versions with a single Intel® dual-core processor, 4 GB memory, and a RAID 1 configuration can handle 1,000 + users.

Q: What is Quad-Core and why is it important?

A: Quad-core is the process of taking a single piece of silicon and placing four processor cores on it. This effectively gives you a quad processor configuration in a single package. In the instance of our "I" line, which has two processor sockets, this means that you achieve an eight processor configuration.

Q: Why such a long lead time?

A: Simply put — because we custom build each system once ordered and then thoroughly test it to ensure it will meet and / or exceed our customer expectations.

Q: Does Howard Technology Solutions offer installation services?

A: Yes. Howard Technology Solutions has a Network Services Group that can do installation of systems as well as network security analysis and other technical services.

Q: Whom should I contact for support?

A: Call Howard Technology Solutions for world-class support and service if there are any questions about the server. Customer support is available online at <http://www.howardcomputers.com/support>, through phone at 1.888.323.3151, by email at tech@howardcomputers.com or by traditional mail at Howard Technology Solutions, 36 Howard Drive, Ellisville Mississippi 39437.

Experience the Howard advantage.

Product Upgrades

Enhance your purchase with any or all of the following products or services. And feel free to contact us toll free at 888-912-3151 to discuss any questions or your specific needs!

- Additional memory
- Anti-virus software
- Back-up devices
- SCSI hard drive
- Technical management services

Warranty & Support

- Howard Technology Solutions' standard warranties apply.
- **FREE** customer and technical support to purchaser via telephone or web for the life of the system.
- Expedite your troubleshooting process by participating in our Howard Technical Partnership Program (HTPP) which certifies your staff to perform basic hardware service and support. Contact us today for more information.