

Step into the world of servers

Enter the world of server solutions with Howard's new S104 entry-level server. Easy to set up and maintain, the S104 is powered by Intel's Xeon® Dual Core™ and Quad Core™ series processors, has 4 hot-swappable hard drives, integrated RAID, a system health monitor, and remote management capabilities, providing the reliability and security your business needs. Launched with the right technologies, and at the right price, this rack-mount server is the right choice for all your network applications like File Server, Print Server, VoIP Server and Web Server. Step over to the server side of life with the S104 and experience the Howard advantage.



Howard Technology Solutions 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
Intel® Xeon® 3000 Series Processors	The S104 is a great platform for a dedicated application server— using a single quad core or dual core Intel® Xeon® 3000 Series processor. This entry-level system includes integrated RAID support, hot-swappable hard drives, and chassis intrusion detection.
1U Rack-mount Form Factor	It provides flexibility in a 1U rack-mount form factor, making it suitable for use in any business environment, local government office, or educational institution. The system comes with standard rail kits, and is compatible with standard rack enclosures.
Server Management	This server includes the system health monitor, Super Doctor III. Super Doctor is an inclusive web-based tool that supports remote and local management capabilities, and displays crucial system information such as CPU temperature, system voltages, and fan status.
Network Application Server	The S104 is an ideal server for file storage, print server, web server, and VoIP applications. With the integrated RAID configuration and four hot-swappable hard drives, it is a total solution for a rack-mount application server.

Feature	Specification
Chipset	Intel® 3200 and ICH9R
Supported Operating Systems	Microsoft® Windows Server® 2003 and Windows Server® 2008
Supported Processor Families	Supports 1x Intel® Pentium® D/Dual Core, Intel® Core™2 Duo/Quad and Intel® Xeon® 3000/3100/3200/3300 Series processors with 800/1066/1333 MHz front side bus
System Memory	Up to 8GB of PC2-6400 or PC2-5300 memory in 4x DIMM
Hard Drives	Up to 4 hot-swappable SATA-2 hard drives
Video	Integrated XGI Volari Z9S 32MB graphics adapter
Network	Intel® 82573 (V/L) dual port Gigabit Ethernet Controller
Internal Ports	Floppy: 1, SATA: 6, PCI-e x8: 1
External Ports	Serial: 1, PS/2: 2, LAN: 2 Gb Ethernet, USB: 2 rear & 2 internal headers Video: 1 standard VGA
Power	Standard single 300W power supply
Chassis	1U rack-mount
Dimensions	1.7"(H) x 17.2"(W) x 25.6"(D)

Q: Does this system replace another Howard product?

A: Yes. It replaces the NX30T Howard™ server; However, as with all of our Howard™ systems, we will continue to provide FREE phone and web support for the NX30T to the original purchaser for the lifetime of the system.

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

A: Yes, with room to expand as it becomes necessary.

Q: Can this server handle VoIP applications and performance requirements?

A: Yes, even in the base configuration.

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

A: Quad-Core is the process of taking a single piece of silicon chip composed of an integrated circuit and placing four processor cores on it. This effectively gives you a quad-processor configuration in a single package.

Q: Does Howard offer installation services with this system?

A: Yes. Howard has a Network Services group that can perform installations of systems, as well as network security analysis and other technical services. Call us today for a quote.

Call Howard Technology Solutions for world-class support and service if there are any questions about the server we are available:

Online at <http://www.howardcomputers.com/support>
By phone at 1.888.323.3151
By email at tech@howardcomputers.com
By conventional mail at: Howard Technology Solutions, 36 Howard Drive, Ellisville Mississippi 39437.

FREQUENTLY ASKED QUESTIONS

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
- Optional storage controllers
- Optional network adapters
- Network consulting and integration 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 for more information.