

Organize, store, and protect your digital life

Make the most of your digital life with Howard's new HS4000 low-cost home server. Powered by the latest Intel® processors including the Core®2 Duo and Xeon® 3000 Series, the HS4000 effectively doubles as a media center by enabling you to store all your family's photos, music, videos, and other important files in a central location. Daily automatic backup for up to 10 machines, along with the built-in functionality of hot-swappable hard drives and RAID, safeguards your data while making it readily available to you at any time, from anywhere. And unlike conventional media centers, it offers HDMI and full Blu-ray™ capability. The Howard™ HS4000 is your key to comfortable digital living.



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.**



Intel®, Intel® Core® 2 duo, Intel® Xeon®, the Intel® Core® 2 Duo and Intel® Xeon® logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.



Feature	Description
New Processor Support	The HS4000 supports Intel® Core 2 Duo, Intel® Xeon® 3000 Series, Intel® Pentium® 4, Intel® Celeron Dual-Core, and Intel® Pentium® Dual Core processors
SATA support	The HS4000 has five SATA ports (including 1eSATA port), configurable in RAID 0, 1, 5, and 10
Video	Intel® 4500HD onboard graphics with integrated HDMI + DVI-I display ports
Integration	Integrated USB, 7.1 audio, video, gigabit LAN, and RAID
Locking case	Magnetic locking front case safeguards your hard drives from theft.
HD support	You can use the onboard HDMI to connect and support full 1080p resolution on supported televisions and monitors



HOWARD™
TECHNOLOGY SOLUTIONS

Experience the **Howard advantage!**

Buy online at www.Howard.com or call us at 888.912.3151.

Feature	Specification
Chipset	Intel® G45 Express chipset
Operating system	Microsoft® Windows® Server, Microsoft® Windows® Vista™
Processor	Intel® Xeon® 3000 Series, Intel® Core®2 Duo, Intel® Celeron® and Intel® Pentium® Dual-Core
System Memory	Up to 4 GB of dual channel DDR2
Cache Memory	Up to 6 MB of L2 cache (depending on processor)
Hard Disk Drive	Up to 4 internal hot-swappable SATA hard drives, plus 1 external SATA hard drive
Video	Integrated GMA X4500HD onboard graphics with integrated HDMI + DVI-I display ports
Audio	Integrated 7.1 high definition audio
Monitor	Standard offerings
Optical drives	Supports one slim-line DVD-ROM, combo drive, DVD-RW, or Blu-ray™
Network	Integrated 10/100/1000 LAN
External Drive Bays	4 hot-swappable 3.5" drive bays, 1 slim-line optical bay
IDE Devices	Supports a single IDE
Ports	(0/8/6/1/1), 8 USB 2.0 (2 front, 6 rear) 1 DVI-I (supports VGA and DVI monitors), 1 HDMI, and 1 eSATA (rear)
Power Supply	External low-power 180W power adapter
Dimensions (H x W x L)	10.24" x 5.51" x 10.24"

Q: Does this system replace another Howard product?

A: No

Q: What chassis options are available?

A: The HS4000 is only offered in the chassis shown.

Q: What chipset does this system use?

A: The Intel® G45 Express chipset

Q: What operating systems does this board support?

A: Currently, we are offering Windows® Home Server and Windows® Vista™ Ultimate. Other Microsoft® Windows SKU's are available upon request. We also have Linux distributions planned for release in the near future.

Q: Are there any specifications for Blu-ray playback?

A: Howard recommends an Intel® E8000 Series processor and 2GB of RAM for Blu-ray playback.

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.

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 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
- 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 for more information.