

Great First Server, or Replacement Server



Howard's newest entry-level server is the i7108. It is powered by Intel's Xeon® 3400 Series processor, has up to 24GB of memory with DDR3 Registered DIMMS, and up to 3 Hot-swap SATA or SAS drives.

The i7108 utilizes the latest Intel® Core™ i5 and i7 technology that includes Turbo Boost, Hyper-Threading, and Virtualization technologies. It has everything needed to run business applications and infrastructure, host web sites, and provide basic server functionality such as file and print sharing. It's surprisingly affordable, simple to manage, and energy efficient. For cost-conscious organizations looking for their first server, or to replace an older server, Howard's i7108 provides an ideal solution!

Howard Technology Solutions recommends genuine Microsoft® Windows® Server 2008 R2.

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

Experience the **Howard difference.**



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Feature	Description
Intel® Xeon® 3400 Series Processors	The Intel® Xeon® 3400 processor series is based on Intel's next-generation microarchitecture, and includes an integrated high-speed, 1333MHz dual-channel DDR3 memory controller, and flexible x16 PCI Express 2.0 controller.
1U Rack-Mount Form Factor	The 1U rack-mount form factor makes the i7108 ideal to use anywhere space is at a premium, from business and education environments to local government offices. The system comes with standard rail kits, and is compatible with standard rack enclosures.
Maximum Efficiency	The i7108 supports a lower power option processor that operates at 45W thermal design power (TDP) to provide an ideal entry-level server in thermal sensitive, space constrained environments. In addition, the CPU cores include Automated Low Power States that adjust system power consumption based on real-time CPU loads.
Superior Performance	The i7108 utilizes the latest Intel® Core™ i5 and i7 technology, a platform integrated with the Intel's most advanced technologies like Turbo Boost Technology, Hyper-Threading Technology, Virtualization Technology, and Advanced Smart Cache, along with integrated data reliability with RAID 0, 1, and 5.

Feature	Specification
Chipset	Intel® 3420 chipset
Supported Operating Systems	Microsoft® Windows Server® 2003 and 2008, all versions Red Hat Enterprise Linux 5.0 Update 3, SuSE 11, VMWare 4.0 Update 1
Supported Processor Families	Intel® Xeon® 3400 Series processors-Socket 1156
System Memory	Up to 24GB of Registered ECC DDR3 (6 slots)
Video	ServerEngines LLC Pilot II, 64MB DDR2 video memory
Network	Intel® 82574L PCI Express Gigabit Ethernet Controllers and Intel® 82578DM Gigabit Ethernet LAN connections
Internal Ports	IDE: 0, Floppy: 0, SATA: 6, PCI Express Gen 2 x8: 1 Low Profile by Riser Card
External Ports	Serial: 1; PS/2: 0; USB: 4 rear, 1 front; Audio N/A; Gigabit LAN: 2; Video: 1 standard VGA
Other Features	Integrated Baseboard Management Controller, IPMI 2.0 compliant
Dimensions	1.7" (H) x 16.9" (W) x 26.0" (D) (inches)
Backplane	Active: Yes
Drive Bays	3.5" Hot-swap hard drives x3
Slimline Drive Bays	Slimline optical drive: 1
Front Panel	Power button; 1 USB connection
PSU	Single 300 watt 80-Plus power supply
Form Factor	1U rack-mount

Q: Does this system replace another Howard product?

A: Yes, it replaces both the S104 and S108 servers.

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

A: Yes, with room for expansion, if necessary.

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

A: Yes, even in the base configuration.

Q: Does Howard offer installation services with this system?

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

Q: How will this product be supported?

A: This product will be supported through Howard's 100% US-based team of experts, available 24 hours-a-day, 7 days-a-week, FREE for the life of the system to the original purchaser of the system. (For all non-Howard products we direct customers to the applicable vendor.)

Q: What does the operating system support in this server?

A: It supports Windows Server® 2008 R2 Standard Edition, Enterprise Edition, Web Edition, and Windows Server® 2008 R2 Foundation. Be aware that Windows Server® 2008 R2 is available in 64 bit operating systems only, and can support 32GB memory and up. Optionally, Windows Server® 2003 (all editions) can be supported by downgrading the Windows Server® 2008 R2 Edition.

Call Howard Technology Solutions—

For world-class support and service we are available:
 Online at <http://www.howardcomputers.com/support>
 By phone at 1.888.323.3151
 Via email at tech@howardcomputers.com
 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
- Uninterrupted power supply
- Optional storage controllers
- 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.