

# A 1 U form factor built to perform your network needs.

Howard Computers' AX1015 is an AMD® Opteron® 200 Series based server in a 1U form factor. This system is capable of taking advantage of the new Opteron® dual-core processors for a total of up to four processor cores. With space for up to four Ultra 320 SCSI hot-swap hard drives for a maximum of 1.2 TB of storage space, this is a system few vendors can match. This server is a breeze to install, setup, and comes with free web and phone tech support for the life of the system. This system features genuine Microsoft® Windows® Server 2003 and a powerful integrated graphics solution.



Howard AX1015

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	AMD® 8131 / 8111 chipset
Processor Options	Supports 2 single or dual core AMD® Opteron® 200 series processors, 1000 MHz HTL
System Memory	Up to 16 GB of DDR 400 SDRAM (ECC Registered)
Hard Drive	Integrated Adaptec® AIC-7902 W dual-channel Ultra 320 controller with RAID 0, 1, 10 support, optional Adaptec® 2015 S ZCR RAID controller for RAID 5 & 50 support, Slimline 1.44 MB floppy and 24 x CD-ROM drives, 4 x 1 hot-swap SCSI backplane
Graphics	Integrated ATI® Rage XL 8 MB PCI graphics controller
I/O Slots	1x 64-bit 100 MHz PCI-X (3.3V) slot
I/O Ports	Rear Panel: USB 2.0/1.1 rear ports: 2, VGA: 1, gigabit Ethernet ports: 2, Serial: 1, PS/2 ports for keyboard and mouse: 2
Network	Broadcom® 5704 dual-port gigabit controller
Power Supply	Single 500 W cold-swap power supply
Dimensions	1 U form factor: 1.7" (H) x 17.2" (W) x 25.6" (L)

**HOWARD**  
COMPUTERS

Innovation *at work* for you.

Buy online at [www.HowardComputers.com](http://www.HowardComputers.com) or call us at 888.912.3151.

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-intensive applications	•	
Vast internal storage	•	
Embedded RAID 0,1	•	
Up to 4 Ultra 320 hard drives	•	
Hot-swappable SCSI hard drives	•	
Opteron® 200 Series 1000 MHz HTL	•	
IPMI 2.0 remote management	•	

**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: Is this server replacing another Howard model?**

A: No. The AX line is a completely new AMD® Opteron® based series.

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

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

**Q: What is Dual-Core?**

A: Dual-Core is the process of taking a single piece of silicon and placing two processor cores or “brains” on it. This effectively gives you dual processor configuration in a single package. In the instance of our AX line which has two processor sockets this means you achieve a quad 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 Computers offer installation services?**

A: Yes. Howard Computers 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 Computers 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](mailto:tech@howardcomputers.com) or by traditional mail at Howard Computers, 580 Eastview Dr., Laurel, MS 39443.

## 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 Computers’ 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.