

A 2 U form factor built to perform your network needs.

Howard Computers' **AX2015** is an **AMD® Opteron® 200 Series** based server in a 2U 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 six Ultra 320 SCSI hot-swap hard drives for a maximum of 1.8 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. It features genuine Microsoft® Windows® Server 2003 and a powerful integrated graphics solution.



Howard AX2015

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® 2010 S ZCR or 2130 SLP single-channel RAID controller for RAID 5 & 50 support, Slim-line 1.44 MB floppy and 24 x CD-ROM drives, 6 x 1 hot-swap Ultra 320 backplane
Graphics	Integrated ATI® Rage XL 8 MB PCI graphics controller
I/O Slots	4x low profile 64 bit 66/100/133 MHz PCI-X (3.3V) 2x low profile 32 bit 33 MHz PCI slots
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	Dual redundant 500 W cold-swap power supply
Dimensions	2 U form factor: 3.5" (H) x 16.8" (W) x 25.6" (L)

HOWARD
COMPUTERS

Innovation **at work** for you.

Buy online at 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 6 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 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.