

## Cyberserve AS316TQ-R800

### 3U AMD Dual Opteron Rackmount Server



#### Features

- Supports up to two AMD Quad-Core / AMD Dual-Core AMD Opteron 2000 Series (Socket F) processor(s)
- Up to 64GB DDR2-667/533/400 SDRAM
- 16 x 3.5" Hot-swappable SAS / SATA Drive Bays
- On-board graphics
- Dual Gigabit Network Controller
- 800W Redundant Power Supply



The AS316TQ-R800 AMD Dual Opteron Server is a dual processor 3U rack mount server and provides a cost effective solution for primary servers, web servers, database applications and server clustering and are ideal for those requiring a combination of high performance and density in their rack mount servers. It can support dual AMD Opteron 64-bit single and dual core processors. Up to 64GB RAM can be housed in the 8 memory slots, dual Gigabit network ports and on-board graphics come as standard. The AS316TQ-R800 can have up to sixteen SATA/SAS hard disk drives and has an on-board RAID controller supporting RAID 0, 1 & 0+1.

#### AS316TQ-R800 specification

Chassis	836TQ-R800B
Motherboard	H8DM3-2
Processor	Supports up to two Quad-Core / Dual-Core AMD Opteron 2000 Series (Socket F) processor(s)
Chipset	nVidia MCP55 Pro , AMD 8132
Memory Type / Slots / Upgrade	Eight 240-pin DIMM sockets , Up to 64 GB DDR2 667 MHz memory , Up to 32 GB DDR2 533 MHz memory , Up to 32 GB DDR2 400 MHz memory , For Single CPU: Memory must be populated in CPU1 DIMMs only , For Dual CPUs: Recommended that memory be populated equally in adjacent memory banks , Dual channel memory bus
Graphics	ATI ES1000 Graphics
Expansion Slots	2 x8 PCI-e slots , 1 x4 PCI-e (in a x8 physical slot) , 1 SEPC (Supermicro extended Power Connector) slot for 2U active riser cards w/ a power extension (i.e. CSE-RR2UE-AX) ,1 64-bit 133MHz PCI-X (3.3V) slots, 2 64-bit 133/100MHz PCI-X (3.3V) slots, IPMI 2.0 expansion slot
Optical Drive	1 x Slim DVD-ROM Drive, 1 x Slim Floppy Drive (Optional)
Hard Drive Controller	LSI SAS1068E Controller , RAID 0, 1, 10 support , (Optional: AOC-IButton68) RAID 5 support nVidia MCP55 Pro SATA2 3.0Gbps Controller , 6 SATA2 Ports , nVidia RAID 2.0 , SATA RAID 0, 1, 0+1, 5 JBOD Support , Eight SAS / SATA (internal) ports , Up to 8 SAS / SATA hard drives supported, 6 SATA2 ports
Storage	16 x 3.5" Hot-swappable SAS / SATA Drive Bays
Network Controller	nVidia MCP55 Pro Chipset Dual-port LAN / Ethernet Controller , Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
External I/O Ports	1 Floppy port; 1.44 MB support , 2 RJ45 LAN ports , Up to 6 USB Ports 2.0 Compliant, 1.1 Compatible , 2 Rear Ports , 4 Internal Headers , 1 VGA port , PS/2 keyboard and mouse ports , 1 Fast UART 16550 serial port , 1 serial port header
Chassis Dimensions	Height - 5.2"(132mm), Width - 17.2"(437mm), Depth - 25.5" (650mm) , 3U Rackmount Chassis
Power Supply	800W Redundant Power Supply
Rackmount Rails	Included
Warranty	3 Year Limited

#### More Information

The Broadberry AS316TQ-R800 Dual AMD Opteron 3U rackmount server gives you a choice of configurations including processor, memory and hard drive support, please contact one of our experienced sales or technical staff who will be more than happy to discuss the options with you

#### Custom AMD Opteron 3U Servers

Our Technical Sales and Engineering department would be happy to assist in any additional requirements you may have for your specific AMD server requirements, for example if you need additional network ports, serial or parallel ports, or multiple graphics outputs, we can usually assist. We offer a wide selection of cost effective, high performance AMD Dual Opteron 3U rackmount servers. If you do not see an AMD Dual Opteron 3U rackmount server that meets your requirements we can customise an AMD Dual

Opteron 3U rackmount server to meet almost any specification. Our experienced sales & technical staff can help you to determine the appropriate AMD Dual Opteron 3U rackmount server configuration for your exact requirements, for example, if you require a customised front bezel with your corporate identity, or have special installation or software installation procedures.

## IPMI Remote Management

IPMI operates independently of the operating system and allows administrators to manage a system remotely even in the absence of the operating system or the system management software, or even if the monitored system is not powered on. IPMI can also function when the operating system has started, and offers enhanced features when used with the system management software.

Some key features of IPMI:

- Remotely Monitor Power, Fan Speed, Temperature
- Remote monitor of system intrusion
- Remote Power Cycle (hot and cold boot)
- Remote BIOS Control & Remote Video Output (text only)
- KVM over IP (only available on certain models - please check with your sales representative)

## Remote Boot device

IPMI can send out alerts via a direct serial connection, a local area network (LAN) or a serial over LAN (SOL) connection to a remote client. System administrators can then use IPMI messaging to query platform status, to review hardware logs, or to issue other requests from a remote console through the same connections. The standard also defines an alerting mechanism for the system to send a simple network management protocol (SNMP) platform event trap (PET).

## System Drivers

We pride ourselves on our Servers having more drivers available than most other Leading Branded Servers. Drivers are available for Microsoft Windows XP, Vista & all Microsoft Windows Server Editions, Drivers are also available for most versions of Linux. Please check with your sales representative for any specific requirements. Most of our AMD Dual Opteron 3U rackmount server are also certified by vmware and citrix for virtualisation.

## Delivery, Configuration & Testing

Delivery, configuration and testing of your AMD Dual Opteron 3U rackmount server will normally be between 5 to 7 working days from receipt of order, please contact your sales representative if you have any special delivery, configuration or testing requests for your AMD Dual Opteron 3U rackmount server. AMD, the AMD logo, AMD Athlon, the AMD Athlon logo, AMD Duron, the AMD Duron logo, AMD Opteron, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices, Inc. in the United States and other countries.

### UK

Broadberry Data Systems Ltd  
Integration House  
61 Bideford Avenue  
Perivale, UB6 7PP  
Tel: + 44 (0)20 8997 6000  
Fax: +44 (0) 20 8997 0199  
Web: [www.broadberry.co.uk](http://www.broadberry.co.uk)

### USA

Broadberry Data Systems LLC  
501 Silverside Road, #119  
Wilmington  
DE, 19809  
Tel: + 1 800 496 9918  
Fax: +1 302 295 1086  
Web: [www.broadberry.com](http://www.broadberry.com)