



# model A1002



## 1U AMD Opteron™ Advanced Server

### Features

- Single or dual AMD Opteron™ processors
- Dual Broadcom® Gigabit Ethernet LAN ports
- Integrated ATI® RAGE™ XL 8MB PCI graphics controller
- Integrated Serial ATA RAID with RAID 0 or 1 support (optional)
- Integrated Slimline Floppy Disk & CD-ROM
- 512MB Registered DDR Memory (Maximum 16GB)
- 2 x 3.5" Removable Drive Bays
- 1 x PCI slot
- 300W Power Supply

The A1002 1U 19" Rack Mount Server is a mid-range platform that is ideal for computer intensive applications. The A1002 has a choice of storage solutions to suit a variety of applications and budgets.

Powered by single or dual AMD Opteron™ processor, the A1002 runs on AMD64, a breakthrough in computing architecture that enables 64-bit technology on the x86 platform, creating a new class of computing so you can migrate from 32-bit to 64-bit technology without having to replace your entire infrastructure.

The A1002 has two Gigabit Ethernet ports, up to 16GB Registered DDR memory, a PCI-X expansion slot and excellent thermal cooling.

The flexibility of the A1002 gives a choice of storage solutions with either integrated Serial ATA with RAID 0 or 1 support, or Adaptec® SCSI with ZCR support, or EIDE drives.

### Processor(s)

- Supports up to two AMD Opteron™ processor
- 128-bit DDR dual-channel memory controller

### Chipset

- AMD-8131™ HyperTransport™ PCI-X Tunnel
- AMD-8111™ HyperTransport™ I/O Hub
- Winbond™ W83627HF Super I/O ASIC
- Analog Devices ADT7463 Hardware Monitoring IC

### Memory

- 128-bit DDR memory bus
- Eight 184-pin 2.5-Volt DDR DIMM sockets- each CPU controls four
- Supports up to 16GB of Registered DDR
- Supports ECC type memory modules
- Supports DDR 400\* / 333 / 266 / 200

\* Opteron 246 and higher

### External I/O

- 1 x 9 pin serial port A
- 2 x USB v1.1 ports
- PS/2 keyboard and mouse
- 15 pin VGA connector

### Internal I/O headers

- 1 x 10 pin serial port B
- 1 x 25 pin SPP/ECP/EPP parallel port
- 2 x USB v1.1 ports

### System Management

- Temperature, voltage and fan monitoring ~Optional

### Integrated Enhanced IDE Controller

- Provides two IDE dual-drive ports
- Supports UDMA 33/66/100/133 IDE drives and ATAPI compliant devices

### Integrated LAN Controller

- Broadcom® BCM5704C dual-channel GbE LAN
- Connected to PCI-X Bridge A
- Two RJ-45 LAN connectors with LEDs

### PCI Slot

- 32-bit or 64-bit PCI
- 1 PCI-X Slot

### Dimensions D x W x H

- 653mm x 430mm x 43.5mm
- 25.7" x 16.9" x 1.71"

### Integrated PCI Graphics

- ATI Rage™ XL 8MB PCI graphics controller

### Integrated SATA Controller (Optional)

- Silicon Image Sil3114 SATA controller
- Supports SATA RAID (RAID 0 or RAID 1)
- Supports SATA 1.0 Specification

### Integrated SCSI Controller (option)

- Adaptec® S7902 U320 SCSI controller
- Two U320 68-pin SCSI connectors
- Adaptec® ZCR support through low-profile SODIMM

### Intelligent Platform Management - Optional Server Management Daughter card supporting :

- QLogic™ Zircon Baseboard Management Controller (BMC) based on powerful ARM7 technology
- Meets IPMI 1.5 specification
- Supports KCS and BT protocols
- Flexible Windows or Linux Management Solution
- Supports RMCP and SNMP protocols
- Supports ASF tunnelling and EMP
- I2C serial multi-master controllers and UARTs
- IPMB connector
- Remote power on/off and reset support (IPMI over-LAN)

### BIOS

- AMI® BIOS 8.0 on 4Mbit LPC Flash ROM
- Supports PXE via Ethernet, USB device boot
- SMBIOS 2.3.1
- Headless Operation via serial console redirect and remote flash

### Drive Bay (Choice of)

- 2 x 3.5" Removable drive bays plus 1 x 5.25"(ext)
- 1 x 3.5" Removable drive bay + plus 1 x 5.25" and 1 x 3.5" (int)
- Other combinations possible, call for details

### PSU Type

- Single 300W (400W ~ Optional)

### Regulatory

- FCC Class B (DoC)
- European Community CE (DoC)

### Support

- 2 Yr Parts & Labour
- Lifetime Tech Support

