

AMD Opteron™ Server

A2208: 2U Two Socket Server



The HPC A2208 is a mid-range high performance work horse for compute clusters, virtualization, and file servers & archival. This AMD Opteron based platform is an ideal choice for high density compute farms, large corporate e-mail, media streaming and virtualization.

A2208 provides the best performance at a very affordable price with the combination on the latest IO, network, memory, and power efficient technologies. A2208 features the latest Opteron microprocessors from AMD with DirectConnect technology, DDR2 memory, PCI-Express and SAS/SATA storage. It makes an ideal platform for a compute clusters, storage clusters, or stand-alone applications like anti-virus, database, media servers, and email.



Highlights

- > Up to two AMD Opteron 2000 series microprocessors with DirectConnect architecture
- > Up to 128 GB of 800 MHz DDR2 memory
- > Excellent expandability
- > Industry standard systems management with IPMI 2.0
- > Eight SAS/SATA2 drives for volume storage

Processor:

- > Supports Up to two sockets AMD Opteron™ 2000 series dual core / quad core / six core processors
- > Support AMD Opteron™ Shanghai / Istanbul CPUs

Chipset:

- > Nvidia MCP55 PCI Express Controller and Southbridge
- > NEC nPD720400 PCI-X Controller
- > LSI 1068e SAS controller

Graphic:

- > ATI® ES 1000 32MB PCI graphics controller

Expansion Slots:

- > Two PCI-Express x16 slots (x8 signal)
- > Two PCI-X 133/100MHz slots
- > One PCI-X 100MHz slot
- > One PCI 32bit 33MHz slot
- > Supports a total of six low profile cards

Networking:

- > Two Gigabit Ethernet Ports from Nvidia MCP55 Chipset

System Memory

- > Supports up to 128 GB Registered DDR-2 SDRAM
- > Total 16 DDR-2 DIMM sockets (Eight per CPU)
- > Supports 800 MHz and 667 MHz Memory

Integrated Hardware Monitor

- > CPU thermal and voltage monitor support
- > Fan speed monitoring support
- > Up to 8-fan headers with monitoring and speed control
- > Up to two 4-pin and six 3-pin fan headers
- > Low noise fan speed control

Systems Management (Optional):

- > HPC Systems Server Management Daughter card Supports IPMI 2.0 specifications
- > Command Line Interface (CLI), Web Based, or Customized Remote Management Software
- > Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Redirection)
- > LAN Alert-SNMP Trap
- > Event Log
- > Hardware Health Monitor
- > Remote Power Control
- > Support RMCP & RMCP + Protocols

Storage:

- > Eight hot-swap SATA 2.0 or SAS HDD per system
- > One slim CD-ROM or DVD-ROM drive
- > One slim Floppy Disk Drive (optional)

Chassis:

- > 2U form factor
- > 430 x 88 x 660 mm (W x H x D) 16.9" x 3.5" x 26" inches

Power Supply:

- > 600W (1 + 1) Redundant Hot-swap power supply

Front Panel

- > Power, Reset, and ID switch
- > Power LED, HDD LED, Two LAN Activity LED, Warning LED, and ID LED
- > Two USB 2.0 ports

Operating System

- > Red Hat® Enterprise Linux® AS
- > SUSE LINUX Enterprise Server
- > Microsoft® Windows® Server Enterprise & Standard Editions
- > Sun® Solaris
- > CentOS

System Operating Environment:

- > Operating Temperature Range: 10 - 35°C
- > Non-Operating Temperature Range: -40 - +60°C
- > Humidity Range: 8 - 90% non-condensing

Service and Support:

- > Two years standard parts and labor warranty
- > Optional on-site maintenance and support services available

Great For

- > Enterprise Computing
 - Media streaming
 - Virtualization
 - Web applications
 - Database clusters
 - High Availability Clusters
 - Anti-Virus
 - E-mail, messaging and collaboration
 - Edge of network appliances – Gateway, router, proxy server, firewall
 - Archival
 - File and print services
- > High Performance Computing
 - Scientific Computing
 - EDA
 - Forecasting and simulation
 - finance, weather
 - Oil & Gas
 - CFD applications
 - MCAD & MCAE
 - Biosciences applications

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