

NAS Servers

AMD Opteron™ Storage Servers



Microway custom builds NAS servers to fit your storage and budgetary needs. We provide server chassis featuring drive counts from 8 to 40. Utilizing 750 GB SATA-II drives, this will deliver up to 30 TB of raw storage. Our NAS servers support single or bonded Gigabit network connections and Infiniband, Myrinet, and 10G networking. Systems are configured with your choice of Linux distribution or Windows.



**Microway 3U
NAS Server with 12 TB raw storage**

NAVION™ NAS FEATURES:

- Dual-Core Opteron™ Socket F processors
- Memory: up to 64GB DDR2-667
ECC Registered Memory DIMMs (8 or 16 slots)
- PCI-E: Two PCI-Express x8 Slots
- PCI-X: Three 64-bit/133MHz PCI-X slots
- PCI: One 32-bit/33MHz PCI slots
- PCI-Express x8 Hardware RAID controller(s)
- Hard Drives: up to 40 Hot-Swap SATA-II/SAS Drives
- Dual embedded Gigabit Ethernet
- I/O features: Internal CD/DVD-ROM, and floppy drive, embedded SVGA video, keyboard & mouse connectors
- USB1.1/2.0 ports
- Hot-Swap redundant power supply (N+1 redundancy)
- Front LED panel with activity and status
- Visual and Audible alarms for power supply failure

HARDWARE RAID CAPABILITIES:

- RAID levels 0, 1, 10, 5, 6, 50, Single Disk (JBOD)
- 256 MB of ECC SDRAM, upgradeable to 2 GB
- Battery Backup Unit (BBU) ready
- Online Capacity Expansion ready
- Variable stripe size for performance tuning
- Hot-swap and hot-spare support for data availability
- Automatic drive failure detection
- Automatic RAID rebuild using hot-spare drives
- S.M.A.R.T. disk drive monitoring for reliability
- RAID Management - browser-based management tool
- Visual and Audible alarms for hard drive failure

A Microway NAS server can be employed as the master node of an HPC cluster with AMD or Intel processors.

All NAS servers are thoroughly burned in with hard drive, CPU and memory tests in the exact configuration specified by the customer at time of order.

CHASSIS OPTIONS:

- 2U, 8 Drive, 6 TB (raw storage) NAS
- 3U, 16 Drive, 12 TB (raw storage) NAS
- 5U, 24 Drive, 18 TB (raw storage) NAS
- 8U, 40 Drive, 30 TB (raw storage) NAS

SOFTWARE OPTIONS:

- 64-bit Linux (SUSE, Redhat Enterprise, Fedora, Gentoo)
- 64-bit Microsoft® Windows
- Remote RAID Monitoring/Administration Utility
- NFS, SMB, FTP and Secure FTP Filesystem Exports

WARRANTY

- Two year off-site standard, additional years available.



Microway 5U NAS Server with 18 TB raw storage

OFFERING HPC SOLUTIONS SINCE 1982

For more information on Microway NAS solutions, or any of Microway's products, contact:

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