

# FIA POPnetserver 4600

## A Benchmark of Excellence in High Performance, High Capacity Data Storage



The POPnetserver 4600 NAS appliance is the ideal storage solution for growing companies including small and medium-sized businesses, enterprise departments and workgroups. Installing on the network in less than five minutes and two mouse clicks, the system provides up to 1TB of storage and a multitude of performance features, including hardware caching, load balancing, and high bandwidth.

For a fraction of the cost, the POPnetserver 4600 offers data protection and reliability features only found in higher end NAS products, setting a new standard for affordable data availability. Integrated disaster recovery software utility provides file protection for the client and server, while dual Gigabit LAN fail-over protects online connections. The POPnetserver 4600 can be pre-configured for RAID 5 (disk striping with parity) plus hot sparing to provide automatic fail-over protection. Multiple RAID volume with integrated cache subsystem supports four variable volume types for more efficient application usage.

### Design Efficiency Offers Quicker Data Access

The POPnetserver 4600 is fully engineered for network file sharing with its efficient hardware design, mature embedded OS, 533 MHz FSB processing, DDR PC2100 memory support for up to 2GB RAM, caching, and fast quad Ultra ATA 100/133 technology. Dual Gigabit Ethernet, and RAID 5 plus hot spare are also included.

### Easy Expansion of System Capacity and Drive Replacement

Four front-load, hot swappable drives make installation, and maintenance of RAID 5 plus hot spare simple for any user, allowing the addition or replacement of drives while the system is online.

### High-Speed Connectivity Provides Faster Data Access

Two 10/100/1000 Gigabit Ethernet ports provide load balancing and higher transmission rates for more efficient data access on the network. Supports Fiber Gigabit option.

### Maximum Data Availability and Reliability

Maximize data availability with RAID 5 (disk striping with parity) plus hot sparing and automatic dual LAN fail-over protection. Additionally, RAID 1 (mirroring) and RAID 0 (disk striping) configurations are available.

### High Capacity

With expandable capacities of up to 1TB of storage, the POPnetserver 4600 is ideal for large capacity file serving and data-intensive applications.

### \*NEW Version POPfiler 2.0 Delivers Even Greater Security and Functionality

Safeguard your business from data loss and maintain high availability using POPfiler's integrated Disaster Recovery utilities:

**POP Data Replicator** provides real-time scheduled backup, restoration with version/tag management, immediate backup, file filtering, and compression on the LAN in real-time.

**Snapshot Backup** allows a consistent, point-in-time copy of data without administrator intervention.

**POPbackup** makes system migration easy and effective, backing up system information including: network, time zone, file sharing protocol setup, UPS setting, notification and language setup, user accounts and group privileges.

**Server-to-Server Replicator** automatically replicates local data to a remote server in the event of a sever failure.

*"The NAS is humming along nicely. Great to have an inexpensive way to store a thousand "half-gig" images with Raid 5 security to boot!"*

Terry Saunders  
Systems Administrator  
U.S. Optical Disc, Inc.

## Highlights

- Expandable storage to 1TB in a 1U rack
- Four hot swap front-load removable drives
- RAID 5 (0, 1, and 5 plus hot spare options)
- Supports Intel Celeron 1.7 and P4 2.4 GHz CPUs
- 256MB to 2GB RAM memory and caching
- Supports Microsoft Active Directory Services (ADS)
- 10/100/1000 Gigabit Ethernet LAN ports
- Load-balanced and dual Gigabit LAN Ethernet failover
- Supports Fiber Gigabit option
- Quad Ultra ATA 100/133 disk controller technology
- Supports local-attached tape back up using SCSI Ultra 160 option
- Multiple RAID volume support with integrated cache subsystem
- Data security with POP Disaster Recovery utilities
- Simplified storage management with Windows-based POPassist

## Standard Features

- 533 MHz Front Side Bus supports Intel P4 2.4GHz processor
- 400MHz Front Side Bus supports Intel Celeron 1.7GHz processor
- 256MB with up to 2GB RAM memory
- Multiple RAID volume with integrated cache subsystem
- Minimum storage capacity of 320GB (RAID 0), expandable to 1TB (RAID 0)
- Four (4) hot swap front-load removable drives
- Two 10/100/1000 Mbit/sec Ethernet ports
- Two 10/100 Mbit/sec Ethernet ports
- Quad Ultra ATA 100/133 HDD controllers
- Uninterruptible (UPS) power supply support with a choice of local or remote control
- Software-controlled front power button
- Front LEDs for power/status, network activity (2), disk activity
- Audible warning speaker

## Network Transport Protocols

TCP/IP  
NetBEUI  
AppleTalk

## Network File Protocols

Microsoft Networks (CIFS/SMB)  
Unix NFS  
Apple (AFP)  
Internet (HTTP 1.0, HTTPS, FTP, and Telnet)

## Network Security:

Microsoft NT Domain Controller  
Novell NetWare Server (Bindery)  
Microsoft Active Directory Service (ADS)  
Access Control Lists (ACL)  
Kerberos Authentication  
Dynamic DNS  
User-, and Share-level Security

## Network Client Types

Microsoft Windows 95/98/ME/XP/NT 4.0/2000  
Apple Macintosh System 7.5.5, 7.6, OS 8.x, 9.x  
Red Hat Linux 6.2 and 7.0

## Server Emulation

Windows NT 4.0 and 2000  
AppleShare 6.0  
NetWare  
NFS 3.0

## Network Connection

Two Base T Copper Gigabit Ethernet ports with load-balancing and fail-over  
One 10/100 Ethernet port  
Multi-network segment support

## Multiple File System Options

A 64-bit file system with enhanced buffer and cache can be configured for maximum file protection or improved performance. Options include:

**RAID 0** (disk striping) - one large virtual drive with data striped across all physical drives (no loss in usable capacity)

**RAID 1** (disk mirroring) - second set of drives duplicates the first set for maximum data protection (50% usable capacity)

**RAID 5** (disk striping with parity) - the size of one volume is reserved for parity checking

**RAID 5+** (RAID 5 with hot spare) - additional hot spare volume is reserved on the RAID 5 volume; no performance difference should one of the disks fail within the RAID 5 volume

## System Management

Server backup and restore  
POPassist (POPsearch, POPmap, POPmanage)  
Data Replicator (Client backup/restore)  
Web-based administration  
Disk space quotas  
SNMP MIB II support  
Unlimited Software License

## System Configuration

Web-based user interface (IE) for system administrator

## Physical Specifications

Width 17.0" (43.2 cm)  
Depth 20.5" (54.1 cm)  
Height 1.75" (4.4 cm)  
Weight 30 lbs. (13.6 kg)  
19" equipment rack; 1 rack-unit height

## Power Requirements

Typical operating power: 75 watts, maximum power consumption: 200 watts, 100-240 VAC, 50-60Hz, auto-sensing external power module

## Operating Environment

41 degrees to 95 degrees Fahrenheit  
(5 degrees to 35 degrees Celsius)  
5% to 85% humidity (non-condensing)

## Non-Operating Environment

-4 degrees to 140 degrees Fahrenheit  
(-20 degrees to 60 degrees Celsius)  
5% to 95% Humidity (non-condensing)

## System Certifications

FCC Class A, CE, BSMI, VCCI, UL

## North American Warranty

Three-year limited warranty

## Models

For the latest pricing and configuration, refer to [www.popnetserver.com](http://www.popnetserver.com) or call FIA for the nearest POPnetserver reseller.

Prices and configurations subject to change without notice.

## 4600 Stacked



(Rack configuration available)



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