NetServ™

CD / DVD Server + NAS Storage

A <u>one system solution</u> for handling all your general NAS and CD/DVD storage

Disc caching enables <u>fast access</u> to the same CD/DVD image by multiple users – simultaneously

<u>Supports Blu-Ray Drives</u>

The NetServ is the perfect solution to store both general data files and CD/DVD images. A single system holds from 320GB up to 16.0TB of data or disc images. No more time wasted looking for borrowed discs or replacing those lost or damaged.

Key Features:
- Combines the best of ServStation and FlexNAS
- Single storage system for small organizations or departments
- Intel Core2 Duo processor - Long Life Cycle & Low Power
- Easy to install, access and manage CD/DVD library
- Higher performance for larger and more demanding storage needs
- Web browser based administration interface
- Remote data synchonization and disc loading
- Automated data archiving to read-only CD/DVD image
- High performance, dual 10/100/1000 gigabit NIC
- ISCSI Target Support
- Raid 0, 1, 5, 6 and 10
- Global hot spares
- Hot Expansion and Hot-Swappable drives
- Redundant hot-swappable power supplies
- Active Directory Compatible
- Robust backup capabilities
- Clustering
- UPS Support
- Real time virus checking
- Rack or tower custom configurations

Higher Level of Performance
Designed for systems where large amounts of general file data (NAS) and large CD/DVD libraries will be stored on the same system, the NetServ XR and XL deliver two levels of performance. The XR is appropriate for applications where the primary data being stored is text, photo files and video data. The NetServ XL provides a 70% to 90% boost in performance and will deliver the fastest access times under the most demanding conditions – handling hundreds of simultaneous users.

To learn more, call 1-800-433-5133
or visit www.primearray.com

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General File and CD/DVD Storage

Keep all data for a project, department or topic together. Use the data storage capability to backup other servers and workstations so they can be quickly restored if necessary. Store small or large CD/DVD libraries on your network. Add, delete or replace CD/DVDs with ease.

RAID 0, 1, 5, 6 and 10 Capability

The NetServ comes with the ability to configure its hard drive storage as RAID 0, 1, 5, 6 or 10. RAID 0 enables the maximum use of hard disk space. RAID 1 mirrors one hard drive disk to another. RAID 5 is for systems with three or more disk drives. The data is spread across all the drives in the RAID array such that the loss of any drive will not result in the loss of data or up time. RAID 6 extends RAID 5 by adding an additional parity block. With RAID 10 the drives are striped for performance and all striped drives are duplicated for fault tolerance.

Hot Spare / Hot Swap / Hot Capacity

In the unlikely event of a disk drive failure, a drive that has been designated as a hot-spare will automatically be swapped into the RAID array replacing the defective drive. The system will automatically rebuild the RAID array on the new drive. This all happens without user intervention. You can also increase the capacity of a RAID group or replace a defective drive with hot swappable drives and hot capacity expansion - without shutting down or restarting the NetServ.

Pricing

The PrimeArray NetServ is competitively priced and delivers great value. As every system is configured to meet the customer's requirements, the price varies depending on the configuration. Please contact us to receive a prompt price quote.

Warranty and Support

1 year parts and labor
Free downloadable firmware upgrades
Telephone and email technical support
Extended warranty and service plans available

Data Protection

Snapshot

Snapshots are point-in-time copies of the file-system. When creating a snapshot, the file-system is momentarily frozen and a record of all changes is created. Several terabytes of data ban be backed up in less than a second. Files are not modified during snapshot creation so data integrity is maintained.

Tape Backup

NetServ includes local tape backup/restore software that supports full/incremental backups of selected folders, flexible backup schedules and original/alternative restoration. It also features comprehensive backup/restore progress information and detailed summary logs. Tape backup has the option to include ACL security setting when backing up and restoring data.

Automated CD/DVD Data Archiving

Configure the NetServ so that when a directory reaches a certain size data will be automatically archived to a CD/DVD. The NetServ will span multiple discs when selected files exceed the size of a single CD/DVD disc.

SmartSync Remote Data Synchronization

The NetServ includes built-in synchronization support for server-to-server mirroring, distribution, and tapeless backup. The SmartSync Backup improves backup speed by only transferring the modified data blocks, instead of whole files. At the same time, it always builds full backups online and keeps them online, making it easy for data restoration.

Bundled software

eMulateCD - Drive Emulation Software

A bundled software utility is included to provide drive emulation - allowing CDs on the network to appear as if they are in the user's local reader. Some CD/DVDs will not work unless they are physically in the local CD/DVD drive, but this utility creates a virtual drive on the user's workstation even though the disc image resides on the ServStation.

eContent – CD/DVD Library Management

The eContent Manager categorizes and manages CD/DVD titles while the eContent Client easily accesses these titles as if they were in a local CD/DVD drive.

NAStart

Software for quick setup, remote discovery and remote loading of CD/DVDs.

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Enclosures

NetServ XR

Configuration	Dimensions (HxWxD)	Power Supply 115/230v AC		Shipping Weight
4 Drive Tower	17.5" x 7.5" x 18.0"	Single 400W		35 to 45 pounds
4 Drive 4U Rack	7.0" x 19.0" x 19.0"	Single 400W		50 to 80 pounds
8 Drive Tower	19.0" x 7.0" x 19.0"	Single 400W	Dual 330W	35 to 45 pounds
8 Drive 4U Rack	7.0" x 19.0" x 19.0"	Single 400W	Dual 330W	50 to 80 pounds

NetServ XL

Configuration	Dimensions (HxWxD)	Power Supply 115/230v AC		Shipping Weight
4 Drive 1U Rack	1.75" x 17.5" x 28"	Single 250W	Dual 250W	45 to 55 pounds
8 Drive 2U Rack	3.5" x 17.5" x 28"	Dual 350W		60 to 75 pounds

Specifications

Storage

Hard Drives: Up to 8 SATA hard drives – 16 TB total capacity

Hard Drive Sizes: 160gb to 10TB support

Optical Drives: 1 or 2 DVD ROM or DVD-R/RW Blu-Ray ROM or RW

RAID Capability

RAID Level 0, 1, 5, 6 and 10

CD/DVD

CD Capacity: No Limit
DVD Capacity: No Limit
Formats: ISO-9660, Joliet, Rock-Ridge, High Sierra, HDF, UDF, VCD, Hybrid, Multi-Session, Mixed Mode Audio CDs not supported.

Dual Network Interface

Dual 10/100/1000Mbps Ethernet interfaces can be configured in any of four methods:

- Stand Alone
- Fault Tolerance
- Load Balancing
- Link Aggregation

Network Operating Systems

Windows 95/98/ME/XP/NT/2000/2003/2007/Vista/7/10
UNIX/Linux

Network Protocols

TCP/IP, ISCSI Target
HTTP, CIFS/SMB, NFS v3, FTP
BOOTP, RARP, DHCP, DNS; WINS; SMTP, SNMP; NTP; SSL

Language Support

- Web Pages: English, "Traditional Chinese", "Simple Chinese", Japanese, Hebrew and Arabic.
- Unicode Code-pages: English, Western European

System Administration

- LCD Console Display
- Performs shutdowns, restarts, and resets
- Web based interface with user-friendly wizards for remote CD mirroring
- Remotely uploads CDs or DVDs
- Remote software updates
- Automatic CD/DVD replacement
- Data archiving of CD Images to CD/DVDs
- Upload CD or DVD images to be burned immediately or by pre-defined schedule
- Monitors all on-going and scheduled tasks
- Status monitoring options including email alerts, audible alarms, LCD console messages, event logging and more
- Environmental monitoring for CPU/System temperature, voltage and CPU fan status
- Supports UPS with smart signaling

Security

- Microsoft Active Directory and Unix NIS
- File/folder share-level security
- User/group permissions
- Supports access control lists
- SSL 128 bit encryption

SmartSync Disaster Recovery

- Easy to use and configure via web interface
- Provides scheduled or manual synchronization between NAS servers
- Instant access to synchronized data
- Synchronization points can be any volumes or folders
- Only transfers the differences in updated files, which provides efficient network utilization
- Optional compressed data link
- SSL data encryption
- Administrator can view the synchronization process and interrupt a task at any time
- Security information (ACL) can also be synchronized
- Provides bandwidth control for each synchronization task

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About PrimeArray

Based in Burlington, Massachusetts, PrimeArray Systems, Inc. has long been the leader in developing and manufacturing cost effective network storage devices (CD/DVD Servers and Towers, and Network Attach Storage devices). Reliable and simple to use, PrimeArray's family of storage products have proven themselves in a multitude of applications across the globe for large and small corporate and government organizations.

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