



As the number of users and the amount of data grows, how to find a storage which can offer complete data protection, good performance, with reliability and high scalability is the key for all enterprises and companies. The NetServ XS 16 Bay based on latest priNAS 6.0 operating system. Except for basic NAS functions, it supports a variety of advanced storage management and application features such as VAAI, Thin-Provisioning, etc, and it can be deployed easily in any IT environment since it supports multiple interfaces for different host server and clients.

For data protection, NetServ XS 16 Bay supports RAID level 0, 1, 5, 6, 10 and 50 mode, and drives can be set hot spares, have automatically hot rebuilding and online capacity expansion within the enclosure. NetServ XS 16 Bay has a fully-featured backup solution including manual or scheduled backup for file, folder, and shares, and it can be backup and restore from multiple local or remote devices. And there are volume clone, snapshot, remote replication, and data copy for options, which are all designed to ensure and enhance your precious data.

## Features

- Account Manager support NIS
- Allows online capacity expansion within the enclosure
- Android/iOS mobile APP for monitoring
- Backup to Cloud (Amazon S3)
- Backup/Restore from attached storage (USB/eSATA/iSCSI/RDX/USM)
- Backup/Restore from remote share (CIFS/NFS)
- Bonjour Protocol, easily connect to NAS
- Compression (Support on ZFS file system)
- Central data and storage management
- Data backup via backup plan/schedule
- Data copy (1:1)
- Deduplication (Support on ZFS file system)
- EXT4 support extend over 16TB
- iSCSI/share volume replication
- ISO mount
- Latest volume snapshot technology
- Local and external account management, support large account import
- Online expansion file system
- Plug-in management
- Select share or file for backup/restore
- Share management and permission (support ACL setting)
- Support Internet Gateway
- Support iSCSI target for IP SAN
- Support iSCSI initiator
- Support iSCSI multi host
- Support e-mail notification, SNMP Trap/MIB and system log
- System configuration backup/restore
- Thin Provisioning
- Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)
- Volume replication to enhance data protection
- VMware ESXi 5 iSCSI/NFS VAAI support
- Wizard-oriented GUI design
- WORM (Write Once Read Many) support CIFS/NFS

## Your Storage Solutions Partner

Detail features : 800-433-5133 , 978-455-9488 [www.primearraystorage.com](http://www.primearraystorage.com)



## Series Technical Specifications

### NetServ XS 16 Bay

#### NAS Hardware Specification

Intel Pentium Dual Core 3.2GHz CPU or above  
 Cache memory : 8GB DDR3 up to 16GB  
 Four USB3.0 and Two USB2.0 ports  
 Two Gigabit Ethernet ports  
 Up to Sixteen 2.5"/3.5" hot-swappable 6Gb/s SATA hard drives  
 Real-time drive activity and status indicators  
 Environmental monitoring unit  
 Two(2) 460W 80plus hot-swappable power supplies with PFC

#### Environmental

Operating temp : 10°C~40°C(50°F~104°F)  
 Relative humidity : 10%~85% Non-condensing

#### RAID Controller

Highpoint RocketRAID 2720  
 Support RAID level: RAID 0, 1, 5, 6, 10, 50  
 Support drive hot spare and automatic hot rebuild  
 Allow online capacity expansion within the enclosure  
 Locally audible event notification alarm

#### Physical Dimension

133(H) x 482(W) x 730(D) mm

#### Power requirements

AC 100V ~ 240V Full range  
 10A ~ 5A, 47~63Hz

#### NAS Functionality

##### Storage Management

Volume management (Support ZFS, XFS, EXT3 and EXT4 file system)  
 Support Compression and Deduplication (Support on ZFS file system)  
 Disk usage statistics  
 Hot spare drives  
 iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning  
 VAAI support for iSCSI/NFS

##### General

Independent file server  
 Multiple language support  
 Support UPS  
 Support LV encryption

##### System Management

Automatic IP address configuration  
 Web browser-based management  
 SNMP management and notification  
 Fail-free online firmware upgrade  
 Unicode support  
 Multi-node management GUI  
 System configuration backup/restore  
 Central management  
 Quick wizard  
 APP for Android/iOS monitoring

##### Networking

Support NIC/Trunking/Load Balance/Fail Over/802.3ad  
 DHCP Server/DHCP Client  
 WINS Server  
 Internet gateway  
 DDNS

##### Protocols

TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP

##### Client Operating Systems Support

Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008/Win7/Windows 2012/Win 8  
 Unix/Linux  
 Mac OS

##### Authentication

Local user account/group  
 Microsoft NT Domain Controller (PDC)

Microsoft Active Directory Authentication (ADS)

Network Information Service (NIS)

Support OpenLDAP service

Support creating users by batch

User quota management

Share level security

File level security

User ID security for NFS

Recycle bin (Samba)

File access log, audit (Samba)

Write Once Read Many (WORM)

##### Block Storage

iSCSI Target Support

Thin Provisioning support

VMware VAAI support

##### Virtualization

VMware/Citrix/Hyper-V

VMware VAAI for NFS support

##### Attached Storage

ISO Mount

USB/eSATA\*/iSCSI initiator

##### Data Backup / Restore

Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)

Symantec BackupExec Agent (by additional installation)

Scheduling multi-snapshot (Support iSCSI snapshot)

Replication (Remote realtime data mirroring)

Scheduling Rsync Replication

Support NetVault backup client (by additional installation)

Support CA ARCserve (by additional installation)

Data copy (copy files to other share/attached storage)

Scheduling backup

Differential/incremental backup

iSCSI Replication

Amazon S3 backup

backup/restore from attached storage

(USB/eSATA\*/iSCSI/RDX\*/USM\*)

Support Apple Time Machine

##### Plug-in management

Anti-Virus

Central management

iTunes Server

Virtualization (VM on NAS)

#### \* By OEM request

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