

# ArrayStor™

## CD/DVD Server + NAS Storage

*A one system solution for handling all your general NAS and CD/DVD storage  
Store and share any combination up to 8,000 CDs or 6,000 DVDs*

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

The ArrayStor is the perfect solution to store both general data files and CD/DVD images. A single system holds from 250 GB up to 32 TB of data or disc images. No more time wasted looking for borrowed discs or replacing those lost or damaged.

### Key Features:

- Account Manager support NIS
- Android/iOS mobile APP for monitoring
- Backup to Cloud (Amazon S3)
- Backup/Restore from remote share (CIFS/NFS)
- Central data and storage management
- Web browser-based management
- Supports RAID level: RAID 0, 1, 5, 6, 10, 50
- Shares contents of discs or ISO
- DHCP Server/DHCP Client
- iSCSI Replication
- Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS)
- Data Backup/Restore
- Supports OpenLDAP service
- Share & File level security
- Supports creating users by batch
- Microsoft Active Directory Authentication (ADS)
- Local user account/group
- Supports NIC/Trunking/load balance/fail over/802.3ad
- Volume management (Support XFS, EXT3 and EXT4 file system)
- iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning



Mini Tower model with 5 HD

### Higher Level of Performance

The ArrayStor deliver two levels of performance. The XR and XT. Both are appropriate for all kinds of data, including text, photo files, software, and executable. The XR features (2) two core CPU and XT features an upgraded quad (4) core CPU for the most demanding applications.

### 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.

*To learn more, call 1-800-433-5133  
or visit [www.primearray.com](http://www.primearray.com)*



### **RAID 0, 1, 5, 6,10 AND 50 Capability**

The ArrayStor comes with the ability to configure its hard drive storage as RAID 0, 1, 5, 6, 10 or 50. 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. RAID 50 improves upon the performance of RAID 5 particularly during writes, and provides better fault tolerance than a single RAID level does.

### **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 ArrayStor.

### **Pricing**

The PrimeArray ArrayStor 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

### **Hassle free CD/DVD Data Copying**

ArrayStor automatically copy data when a new CD/DVD is inserted and ejects when copy is completed making it easier to copy data.

### **Web Browser based management**

ArrayStor makes it easy to manage the system by web browser. This makes the management Operating System independent thus hassle free.

### **Auto Error Check**

ArrayStor automatically checks for errors while copying. When any error is detected, the system stops copying and ejects the optical media.

### **Data Protection**

#### **Multi-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 can be backed up in less than a second. Files are not modified during snapshot creation so data integrity is maintained.

#### **Data Backup**

ArrayStor includes local tape backup/restore software that supports full/incremental backups of selected folders, flexible backup schedules and original/alternative restoration. It also features Amazon S3 cloud backup.



Mini Rack model with 8 HD

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## Models

The following are some of the possible tower & rack configurations. Contact us for your customized solution.

### ArrayStor Tower

Model	No. Hard Drives	Hard Drive size	Total storage
ArrayStor 5000 XR/XT	5	250GB	1.2TB
ArrayStor 6000 XR/XT	5	500GB	2.5TB
ArrayStor 7000 XR/XT	5	1TB	5TB
ArrayStor 8000 XR/XT	5	2TB	10TB
ArrayStor 9000 XR/XT	5	4TB	20TB

### ArrayStor Rack

Model	No. Hard Drive	Hard Drive size	Total storage
ArrayStor 5000 XR/XT	5	250GB	1.2TB
ArrayStor 6000 XR/XT	5	500GB	2.5TB
ArrayStor 7000 XR/XT	5	1TB	5TB
ArrayStor 7020 XR/XT	8	1TB	8TB
ArrayStor 8000 XR/XT	5	2TB	10TB
ArrayStor 8020 XR/XT	8	2TB	16TB
ArrayStor 9000 XR/XT	5	4TB	20TB
ArrayStor 9020 XR/XT	8	4TB	32TB

### Approximate Image Capacities (Raid 5)

#### ArrayStor Tower

Model	Combination of CDs & DVDs	
	CDs	DVDs
ArrayStor 5000	300	200
ArrayStor 6000	600	400
ArrayStor 7000	1200	900
ArrayStor 8000	2000	2000
ArrayStor 9000	4500	4000

#### ArrayStor Rack

Model	Combination of CDs & DVDs	
	CDs	DVDs
ArrayStor 5000	300	200
ArrayStor 6000	600	400
ArrayStor 7000	1200	900
ArrayStor 7020	1800	1500
ArrayStor 8000	2000	2000
ArrayStor 8020	3500	3000
ArrayStor 9000	4500	4000
ArrayStor 9020	7500	6000

## Specifications

### Storage

Hard Drives: Up to 5 SATA hard drives in towers, 8 in racks - 32 TB total capacity

Hard Drive Sizes: 250GB, 500GB, 1TB, 2TB and 4TB SATA drives

Optical Drives: 1 DVD ROM or DVD-R/RW

### RAID Capability

RAID Level 0, 1, 5, 6, 10, 50

### CD/DVD

CD Capacity: 8,000 images

DVD Capacity: 6,000 images

Formats: ISO-9660, Joliet, Rock-Ridge

### Dual Network Interface

Supports NIC/Trunking/load balance/fail over/802.3ad

DHCP Server/DHCP Client

WINS Server

Internet gateway

### Network Operating Systems

Microsoft® Windows® 98/ME/NT/2000/XP/2003/

Vista/2008/Win7/Window2012/Win 8

UNIX/Linux

Mac OS

### Network Protocols

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

• Web Pages: English, "Traditional Chinese", "Simple Chinese", Japanese, Hebrew and Arabic.

• Unicode Code-pages: English, Western European

## System Administration

RAID 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

Locally audible event notification alarm

## Security

• Microsoft Active Directory Authentication (ADS) and Network Information Service (NIS)

• File level security

• Folder share level security

• User Authentication

• File access log, audit (Samba)

• User/group permissions

• Supports access control lists

• SSL 128 bit encryption

## Power requirements

AC 100V ~ 240V Full range

6A ~ 4A, 47~63Hz

## Physical Dimension

Tower: 390mm (15.4") x 180mm (7.1") x 261mm (10.3")

Rack: 500 (19.7") x 482mm (19.0") x 88mm (3.5")

## Environmental

Operating temp : 10°C~40°C(50°F~104°F)

Relative humidity : 10%~85% Non-condensing

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### About PrimeArray

Based in 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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