# *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 of optical media , bluray discs , DVDs ,CDs and more***

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

Rack mount configurations support Eight 2.5"/3.5" hot-swappable 12Gb/6Gb SAS/SATA hard drives.

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 100s of 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*
- *Disc Server*
- *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*

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### 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 ban 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

CD DVD storage based on one layer one sided discs.

| Model | No. Hard Drives | Hard Drive size | Total storage |
|---|---|---|---|
| ArrayStor 5001 XR/XT | 5 | 1TB | 5TB |
| ArrayStor 6001 XR/XT | 5 | 2TB | 10TB |
| ArrayStor 7001 XR/XT | 5 | 4TB | 20TB |
| ArrayStor 8001 XR/XT | 5 | 8TB | 40TB |
| ArrayStor 9001 XR/XT | 5 | 12TB | 60TB |

### ArrayStor Rack

| Model | No. Hard Drive | Hard Drive size | Total storage |
|---|---|---|---|
| ArrayStor 5001 XR/XT | 5 | 1TB | 5TB |
| ArrayStor 6001 XR/XT | 5 | 2TB | 10TB |
| ArrayStor 7001 XR/XT | 5 | 4TB | 20TB |
| ArrayStor 5021 XR/XT | 8 | 1TB | 8TB |
| ArrayStor 8001 XR/XT | 5 | 8TB | 40TB |
| ArrayStor 8021 XR/XT | 8 | 8TB | 64TB |
| ArrayStor 9001 XR/XT | 5 | 12TB | 60TB |
| ArrayStor 9021 XR/XT | 8 | 12TB | 96TB |

Rack mount configurations support Eight 2.5"/3.5" hot-swappable 12Gb/6Gb SAS/SATA hard drives.

**Approximate Image Capacities (Raid 5) - Larger and smaller storage configurations are available upon request**

### ArrayStor Tower

| Model | Combination of CDs & DVDs | |
|---|---|---|
| | CDs | DVDs |
| ArrayStor 5001 | 6,400 | 850 |
| ArrayStor 6001 | 12,000 | 1,700 |
| ArrayStor 7001 | 24,000 | 3,400 |
| ArrayStor 8001 | 49,000 | 6,400 |
| ArrayStor 9001 | 77,500 | 10,200 |

### ArrayStor Rack

| Model | Combination of CDs & DVDs | |
|---|---|---|
| | CDs | DVDs |
| ArrayStor 5001 | 6,400 | 850 |
| ArrayStor 6001 | 12,000 | 1,700 |
| ArrayStor 7001 | 24,000 | 3,400 |
| ArrayStor 5021 | 11,000 | 1,500 |
| ArrayStor 8001 | 49,000 | 6,400 |
| ArrayStor 8021 | 90,400 | 12,200 |
| ArrayStor 9001 | 77,500 | 10,200 |
| ArrayStor 9021 | 142,000 | 19,150 |

## Specifications

### Storage
Hard Drives: Up to 5 SATA hard drives in towers, 8 in racks - 80 TB total capacity
Hard Drive Sizes: 250GB, 500GB, 1TB, 2TB and up to 20TB SATA / SAS drives
Optical Drives: 1 DVD ROM or DVD-R/RW

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

### CD/DVD
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 / Win10
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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