

# ProServer™

## **Direct network attached CD / DVD Server and Loader**

**Ideal for storing and sharing any combination up to 40,000 CDs or 10,000 DVD**

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

**Up to 8 DVD drives for fast, simultaneous disc loading and direct data access**

### **Supports Blu-Ray Drives**

ProServer is a versatile direct network attach CD/DVD server and tower in one! It allows an organization to easily share large CD/DVD libraries over their network by hard disc caching. No more time wasted looking for borrowed discs or replacing those lost or damaged. Or, for frequently changing discs, use any of the 8 optical drives for direct data access.

### **Key Features:**

- ◆ Easy to install, access and manage CD/DVD library
- ◆ Users get instant access to CD/DVD based data
- ◆ Intel Core2 Duo processor - Long Life Cycle & Low Power
- ◆ Web browser based administration interface
- ◆ Remote disc loading
- ◆ Automated data archiving to read-only CD/DVD image
- ◆ Active Directory Compatible
- ◆ High performance, dual 10/100/1000 gigabit NIC
- ◆ Broad network environment and protocol support
- ◆ Raid 0, 1 and JBOD capability
- ◆ Real time virus checking
- ◆ UPS Support
- ◆ Client licenses not required
- ◆ Flash Upgradeable firmware



### **Optimized for CD-ROM and DVD-ROM Sharing**

PrimeArray's ProServer offers tremendous value to those who need to store small or large CD/DVD libraries on their network. Powered by a high performance hardware engine running on a streamlined Linux-based kernel, the ProServer provides maximum operational efficiency and reliability. You can add, delete or replace CD/DVD's on the system faster, easier and less expensively than putting those discs on a general-purpose file server.

### **Server Independent / Locate Anywhere**

The ProServer attaches directly to the Ethernet network. It doesn't require a server to host it as SCSI attach towers would. You save by either freeing up an existing server or avoiding having to purchase a server and network license. Place it near the users who have CDs or DVDs they need to share. It doesn't have to be located next to a server in a computer room.

### **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)**



## ***Disc Management – Independent DVD Drive Setup***

### **Mirror mode:**

Simply insert a disc and it is automatically cached to the hard drive. Replacing a previously loaded CD/DVD (i.e. for a subscription based disc) is accomplished by opening up the Administration utility, clicking on the disc title and putting the new CD/DVD in the reader drive. The replacement and update are automatic. All user access rights are inherited by the updated disc!

### **Direct Access Mode:**

The inserted disc is not cached to the hard drive – it is immediately available for viewing and searching.

## ***Value of Hard Disc Drive Caching***

By imaging the CD/DVDs to a hard disc drive, the system can hold many more titles, support more users, enable multiple discs to be accessed simultaneously, and provide faster access. CD/DVD Towers or Jukeboxes cannot approach this level of service or value. The system automatically saves an exact ISO image of the disc, then creates a folder for the contents and shares those out to users on the network.

## ***Familiar User Interface***

The information that users need is centrally located at their fingertips and accessible in ways they are already familiar with, such as a share viewable via Network Neighborhood or as a mapped drive off their desktop. No need to go searching for elusive CDs and no additional training is required.

## ***Automated CD/DVD Data Archiving***

Configure your ProServer with DVD writers and simply send or drag files to the ProServer's hard drive which can then be backed up to a CD/DVD. When a directory reaches a certain size the ProServer can be easily configured to archive the data to a CD/DVD.

## ***Remote Administration***

All CD/DVD management, security and network settings can be modified remotely from anywhere on the network using a secure web based interface. Updates are quickly posted for all to use and discs can be uploaded remotely from user PCs.

## ***Security***

Security is designed into the system from the ground up. Access to any disc, group of discs, data folder or file can be controlled precisely as well as the number of simultaneous users of a CD/DVD (for license conformity). Manage user accounts locally or through Microsoft Active Directory – which means no duplicated efforts creating users and groups for the ProServer. Other authentication features include NT Domain Authentication (PDC) and Unix Network Information Services (NIS).

## ***Dual Gigabit Network Interfaces***

Every ProServer system comes with two 10/100/1000 Ethernet network interfaces. These can be teamed to boost throughput if connected to the same LAN. One interface can be used as a fail-over for the other, giving higher reliability. Or each connection could go to a different LAN allowing the same discs to be shared between two group.

### ***Vertical Markets***

Advertising & Graphic Arts  
Aircraft  
Automotive  
Architecture  
Education  
Financial Services  
Healthcare  
Libraries  
Legal / Courts  
Manufacturing  
Military  
Software Development  
Tax / Accounting

### ***CD/DVD Applications***

Archiving / Historical Data  
Digital Media  
Electronic Manuals  
Fedlog  
Legal Regulation and Statute Updates  
Medical Records, X-rays, MRIs  
PowerPoint Presentations  
Software Programs  
Tax Law Changes  
Technet & MSDN  
Training Materials  
Videos

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**PrimeArray**  
Systems, Inc.

### **RAID 0, 1 or JBOD Configuration**

The ProServer comes with the ability to configure its multiple hard drive systems with a RAID 0 or 1 array. RAID 0 enables the creation of a maximum sized data volume. RAID 1 mirrors one hard drive disc to another for data protection in the case of a drive failure. In the unlikely event of a hard drive failure, RAID 1 data is protected and the manpower invested in building your digital library is preserved.

### **SmartSync Remote Data Synchronization**

The ProServer 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.

### **Enclosures**

<b>Configuration</b>	<b>Dimensions (HxWxD)</b>	<b>Power Supply</b>	<b>Shipping Weight</b>
Desktop Tower	17.5" x 7.5" x 18.0"	400W 115/230v AC	35 to 45 pounds
Desktop Tall Tower	24.5" x 7.5" x 18.0"	400W 115/230v AC	50 to 80 pounds

### **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 ProServer.

#### **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.

#### **NASstart**

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

#### **Pricing**

The PrimeArray ProServer 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.  
Telephone and email technical support  
Extended warranty and service plans available.  
Free downloadable firmware upgrades

## Specifications

### Storage

Hard Drives: Up to 2 SATA hard drives – 16 TB total capacity  
Hard Drive Sizes: 160gb -10TB SATA drives  
Optical Drives: 1 or 2 DVD ROM or DVD-R/RW Blu-Ray ROM or RW

### RAID Capability

RAID Level 0, 1 and JBOD

### 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 that can be configured in any of four methods:

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

### Network Operating Systems

Windows 95/98/ME/XP/NT/2000/2003/2007/Vista/7/10  
Windows 8 UNIX/Linux

### Network Protocols

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

### 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

### Language Support

- ◆ Web Pages: English, “Traditional Chinese”, “Simple Chinese”, Japanese, Hebrew and Arabic.
- ◆ Unicode Code-pages: English, Western European, Arabic and Hebrew, CJK DBCS

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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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