



PrimeArray Data Storage Solutions...
Network Attached Storage (NAS)
iSCSI Storage Area Networks (SAN)
Optical Storage Systems (CD/DVD)



AutoStor iSCSI SAN solution. See pages 8 and 9 for more information.

Share and protect your data without breaking your budget. PrimeArray offers affordable data storage solutions that deliver a positive ROI and help lower your costs.

FlexNAS solution. See pages 4 to 7 for more information on NAS configurations.



800.433.5133
www.primarray.com

New Optical Storage Solutions from PrimeArray...

PrimeArray Maxtet and Jukebox Manager

By itself, the *Maxtet* is a SCSI attached CD/DVD Tower & Loader. Combined with sophisticated storage management software – the Maxtet provides a cost effective, reliable, high capacity data storage solution.

Jukebox Manager combines the Maxtet with RAID, NAS and SAN devices with transparent access on permanent WORM media. Jukebox Manager is an effective way to combine multiple physical media into a single, logical volume.

WORM Compliant, HD Performance

Jukebox Manager archives data quickly and securely by using the combination of hard disk storage and optical media (CD/DVD, BD). An optional mirroring feature enhances security by creating two media with identical contents in one or more Maxtet systems.

Straightforward Integration and Transparent Access

The entire Maxtet system, or individual volumes and sub directories can be shared independently through your network. Sophisticated hard disk caching provides high performance read-write access.

Configure Your Own System

Optical Drives: 4 to 12 DVD ROM or DVD-R/RW (2 max)
Blu-ray compatible

Throughput

Up to 260M/s combined data transfer throughput

Network Operating Systems

Windows, Unix, Linux and Mac

Need more technical or pricing information? Call PrimeArray at 1-800-433-5133, email us at sales@primearray.com or visit www.primearray.com

Maxtet Starting at \$995 or lease for \$25/month.



What is an iSCSI SAN?

iSCSI is a new technology that lets you build powerful network storage systems using standard Ethernet networks and low-cost hardware. iSCSI's TCP/IP underpinnings mean that even small businesses can create powerful SAN and DAS systems and extend them over far greater distances—even over the public Internet—at fraction of the cost of older, proprietary storage technologies.

Combined with high reliability and its built-in security systems and controls, iSCSI is rapidly becoming the storage technology of choice for organizations of all sizes. *See pages 8 and 9 for more information on the PrimeArray AutoStor.*

What is Network Attached Storage (NAS)?

NAS challenges the traditional file server approach by creating systems designed specifically for data storage. Like traditional file servers, NAS follows a client/server design. Clients access a NAS over an Ethernet connection.

A NAS can store any data that appears in the form of files, such as emails, web content, remote system backups, and so on. Overall, the uses of a NAS parallel those of traditional file servers. NAS systems strive for reliable operation and easy administration. They include built-in features such as disk space quotas, secure authentication and automatic email alerts upon error detection. *See pages 4 thru 7 for information about the PrimeArray FlexNAS and NetServ.*

What is Optical Storage?

Optical storage software offers transparent drive letter access to jukeboxes, towers, racks and single drives in a networked environment. It makes the integration of a CD/DVD tower into an existing IT infrastructure a simple and straightforward process. These software solutions typically provide unlimited optical storage. *See page 2 for information about the PrimeArray Maxtlet and Jukebox Manager.*

Bring Your Network Attached Storage Needs to PrimeArray

Simple and Affordable NAS solutions

Introducing the PrimeArray FlexNAS

The PrimeArray *FlexNAS* is a special purpose device comprised of both hard disks and management software that is 100% dedicated to serving files over a network. An ideal choice for organizations looking for a simple and cost-effective way to achieve fast data access for multiple clients at the file level.



Why a PrimeArray FlexNAS system?

It is the ideal solution for storing large amounts of less frequently used data that still needs to be online and accessible. It is an economical way to quickly add large amounts of storage capacity that can be accessed by anyone on the network.



Use FlexNAS for:

- ▶ Server or workstation backup (i.e. tapeless backup)
- ▶ Massive data storage (i.e. video capture)
- ▶ Sarbannes–Oxley compliance (i.e. email retention)
- ▶ Remote offices (FlexNAS systems in remote offices automatically backup to central system)

Scalable Solutions For An Uncertain Future

The FlexNAS will easily keep pace with your organization's growing needs. You can add direct network attached storage quickly and easily wherever needed. The FlexNAS offers from 320 GB up to as much as **44 TB of modular, RAID protected storage**. Add up to eleven 4.0 TB volumes for transparent, incremental growth.

Pure NAS Storage

Starting at \$995 or lease for \$25/month.

FlexNAS - The PrimeArray solution for massive data storage

Robust Data Protection

The FlexNAS comes with RAID 5 capability where the data is spread across an array of hard drives. In the unlikely event of a disk drive failure, hard drives can be *hot swapped* into the RAID array. You can also increase data capacity with *hot expansion* - without shutting down or restarting.



More Backup Options

- ▶ Synchronize with another FlexNAS
- ▶ Replicate to removable disk drives
- ▶ Set archive policies to move old data off to DVD or tape
- ▶ Integrate with Enterprise backup
- ▶ Workstation backup - SecondCopy 2000 included
- ▶ Take up to 256 Snapshots for instantaneous data capture

Configure Your Own System – Up to 350Mbps Max Throughput

Storage

- Hard Drives: 4 to 8 SATA hard drives - 8 TB total capacity
- Hard Drive Sizes: 80, 160, 250, 320, 400, 500, 750 or 1,000 GB
- Optical Drives: 0 or 1 DVD ROM or DVD-R/RW

Data Protection

RAID Level 0, 1, 5 and JBOD

Network Operating Systems

Windows, Unix, Linux and Mac

Configuration

Tower or Rack

Need more technical or pricing information?
Call PrimeArray at 1-800-433-5133,
email us at sales@primearray.com
or visit www.primearray.com

Network Attached Storage Plus CD/DVD Server

NetServ – A simple and affordable all-in-one storage solution.

Network-Attached Data Storage

Gain more network data storage space and back up servers and workstations regularly. *Includes all the functionality of the PrimeArray FlexNAS – see pages 4 and 5.*

CD/DVD Sharing

The NetServ is a specially designed device to share information stored on CDs or DVDs with others in your organization or those who have access to your network.

Store and share up to 4,000 CDs or 1,500 DVDs

CD or DVD discs are placed into the server's optical drive and an exact disc image is automatically copied onto the server's hard drive. The original CD or DVD can be put away in a safe place as users will now have access to the disc image.

Save Time, Money and Lots of Headaches

By imaging your CDs and DVDs to the NetServ's hard drive, you can share more titles and support more users.

- No more worries about replacing scratched, unusable or lost discs.
- No more unhappy users having to wait their turn.
- And no more wasted time keeping track of CDs and DVDs.



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

NetServ - Handles all your general NAS and CD/DVD storage.

Starting at \$2,295 or lease for \$58/month.

Simplified CD/DVD License Management

"A lot of the CDs include two or three licenses, which means that you can only have that number of people accessing them at the same time. The system monitors that. We don't violate any of our licensing agreements and it's much easier to manage."

Carolyn Coulter
IT Officer
Pikes Peak District Library

Easy Setup

"Set-up couldn't have been easier," says Ken Brady, Technical Support Services Technician, "and once its up and running, I leave it alone. I would be surprised if I rebooted it twice a year." Ken added that "... PrimeArray's support is excellent, second to none. Nothing was too much to ask."

Ken Brady
Cambridge Public Library
Ontario, Canada

Configure Your Own System – Up to 350Mbps Max Throughput

Storage

Hard Drives: 4 to 8 SATA hard drives -
8 TB total capacity
Hard Drive Sizes: 80, 160, 250, 320, 400,
500, 750 or 1,000 GB
Optical Drives: 1 or 2 DVD ROM or
DVD-R/RW

Data Protection

RAID Level 0, 1, 5 and JBOD

Network Operating Systems

Windows, Unix, Linux and Mac

Configuration

Tower or Rack

Need more technical or pricing information?
Call PrimeArray at 1-800-433-5133,
email us at sales@primearray.com
or visit www.primearray.com

PrimeArray Storage Area Networks Scalable and Affordable SAN Solutions For Your Business

Introducing the PrimeArray iSCSI AutoStor

The PrimeArray *AutoStor* meets the challenge of high impact / high volume network storage requirements. It is 100% dedicated to sharing and protecting data between servers, networks, desktops and work groups.



Ideal For Small And Medium Sized Businesses

Enjoy the benefits of a (SAN) Storage Area Network without the traditional costs! With an AutoStor iSCSI storage system, companies can add storage capacity, performance and protection to their existing IP network without investing in costly fiber channel switches, cables or HBA's. Moreover, since it is an IP based system, existing network personnel can manage and maintain the environment, eliminating the need for expensive storage personnel.

Fastest, Easiest Way To Share Protected Data

The AutoStor family shares and protects data between servers, desktops and work groups with ease. The system can be installed and provisioned in minutes with performance levels to match the demanding needs of small and medium business IT environments.

The AutoStor's Web Graphic User Interface allows administrators to deploy and manage disk arrays from any location. The Interface also offers a "Quick Install" feature for quick deployment of systems as well as sophisticated Volume and User Group administration for more advanced users.

The AutoStor product line is ideal for:

- Email Archiving
- Digital surveillance (Security)
- Desktop Publishing
- Application Hosting
- Data Protection
- Digital Audio Recording
- Video Editing
- Hundreds of other purposes!

AutoStor - Simplest, Fastest and Most Affordable IP SAN Solution

Starting at \$2,495 or lease for \$65/month.

Robust Data Protection

The *AutoStor* offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 30, 50 and JBOD. Dynamic On-line RAID expansion allows additional capacity to be added without total system downtime, adding piece of mind knowing your data is protected at all time. Snapshot provides point-in-time recovery that safeguards accidental deletion.

Enterprise Features and Performance

Featuring two GbE ports (iSCSI), the AutoStor runs 10 times faster than a NAS system and provides versatility critical to a company's IT infrastructure. The AutoStor is powered by a cutting edge 64-bit RAID engine, up to 1GB cache, and 3.0 Gbp/s disks, which maximizes disk performance (110MB/s single channel).



Configure Your Own System – Expandable to 96 TB

Storage

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

Hard Drive Sizes: 1,000 GB

Data Protection

RAID 0, 1, (0+1), 3, 5, 6, 30, 50 and JBOD

Network Operating Systems

Windows, Unix, Linux

Configuration

Rack

Need more technical or pricing information?
Call PrimeArray at 1-800-433-5133,
email us at sales@primearray.com
or visit www.primearray.com

Frequently Asked Questions

Why should I consider adding Network Attach Storage (NAS)?

NAS Servers are ideal for storing large amounts of less frequently used data that still needs to be online and accessible. They provide an economical way to quickly add large amounts of storage capacity that can be accessed by anyone on the network.

What would be good uses for a PrimeArray NAS system?

- NAS systems can provide additional protected storage for end users.
- They are ideal for central repositories for workgroup or departmental data that must be shared.
- Historical data, archives, old project files, old email records are just a few examples of relatively static data.
- Storage backup (such as backing up end user workstations).

How does NAS compare to SAN?

Storage Area Networks (SAN) are generally very large storage networks. Basically, a SAN has its own network for transferring data within the SAN. It may be comprised of many individual storage units. A NAS unit can be part of a SAN. SANs generally have many protocols and structures for managing large amounts of data quickly and reliably. NAS units are generally smaller.

What are the benefits of an iSCSI SAN for SMBs?

Networking administrators know IP networking and they can translate that knowledge easily to support an iSCSI SAN. You can gain significant operational savings because it is the same type of network and that simplifies your management, training and gives you personnel transferability.

Why not just use Fibre Channel?

When you start looking at iSCSI versus Fibre Channel (FC), the barriers to adoption are very low for iSCSI. With iSCSI, there is a lower capital investment upfront. The cost of FC switches and HBAs remains significantly higher for FC.

How To Buy

1. Buy Direct from PrimeArray Systems. Call 1-800-433-5133 to speak to one of our knowledgeable technical advisors on configuring a customized solution.
2. Or, buy from a PrimeArray Reseller. PrimeArray will work with your current reseller. We will discuss your needs directly with you and / or your reseller.

Pricing - Purchase or Lease

PrimeArray's systems are competitively priced and deliver great value. As every system is configured to meet your specific requirements, the price varies depending on the configuration. Please contact us to receive a prompt price quote.

Customer Satisfaction is a Priority

PrimeArray Systems, Inc. will make every effort to ensure complete satisfaction with your purchase. Our knowledgeable sales and technical support staff have many years of experience in recommending solutions to customers' unique needs. We provide extensive pre-sales technical support to assist you in configuring the right solution for your requirements.

Warranty and Technical Support

All PrimeArray storage devices are warranted for one year. Free phone and email technical support and firmware downloads are available for the life of your purchased system.

DUNS No. 079554270

Cage Code 1L3U5

About PrimeArray

PrimeArray is a leader in providing customizable, dependable storage products for corporate, government, institutional and educational networks. Large and small organizations across the globe use our NAS, iSCSI and CD/DVD servers and loaders for affordable data storage and streamlined information sharing.

PrimeArray is headquartered in Natick, Massachusetts.



Systems, Inc.

12 Michigan Drive Natick, MA 01760



PrimeArray AutoStor - iSCSI Storage

Enjoy the benefits of a Storage Area Network (SAN) without the traditional costs! Ideal for small and medium sized businesses – the fastest, easiest way to share your protected data. *See pages 8 and 9 for more information.*

PrimeArray FlexNAS - Network Attached Storage (NAS)

The ideal solution for storing large amounts of less frequently used data that still needs to be online and accessible. The FlexNAS offers 350 Mbps throughput with up to 44 TB of modular, RAID protected storage. *See pages 4 and 5 for more information.*



NAS plus CD/DVD Server

See pages 6 and 7 for special NAS & CD/DVD Server configurations.