



**3004**

4TB Raw SATA Storage



**3008**

8TB Raw SATA Storage



**3012**

12TB Raw SATA Storage

## Features:

### File Sharing:

The StorageDirector supports Windows (SMB/CIFS), Apple (Apple Talk), Unix/Linux (NFS), HTTP, and FTP file sharing protocols for true interoperability.

### Multiple Snapshots:

The StorageDirector snapshot features captures data from a single point-in-time with the capability to aggregate multiple snapshots in sequence which can be used for backup or data retrieval purposes.

### Remote Mirroring:

With Remote Mirroring, The StorageDirector allows block device replication of logical volumes. The allows network failover between two systems, where two volumes are mirrored to provide some of the best redundancy possible.

### System Monitoring & Alerts

The Advanced monitoring systems notifies network administrators on health disk status, system temperature, RAID status, and spare drives on their systems. The StorageDirector also generates logs that record monitoring activity on a timely basis.

### UPnP/WSDL Server:

The StorageDirector uses Simple Object Access Control (SOAP) to leverage standard management formats (XML) and protocols (HTTPS) to configure multiple servers.

### LDAP Client:

The StorageDirector permits user and group authentication to an LDAP server for all network services and even the webbased administration. This allows other StorageDirector servers to coexist in an existing LDAP management scheme.

### IP Failover:

With IP failover, two StorageDirector servers can share the same virtual IP address over the network. If one server goes offline, then the other server can pick network activity without causing interruption.

### Access Control List:

The Access Control List (ACL) allows administration to restrict user rights and access policies through the network. The ACL feature is convenient for file share administration and remote network management.

### Hardware and Software RAID:

The StorageDirector offers integrated support that is optimized to work with AMCC 3ware and Areca RAID controllers as well as driver support for most other hardware RAID controllers that support SATA, SAS, SCSI, and Fibre HDD's. In addition our StorageDirector OS provides Software RAID 1, 10, 5 & 6.

### iSCSI (Initiator & Target):

The StorageDirector has the ability to transport data across networks using the iSCSI protocol. The StorageDirector iSCSI software OS can act as an initiator and a target on the same hardware platform at the same time. This unique feature allows the StorageDirector target and multi-path initiator clients to mirror data between servers and remotely replicate mission critical information for backup procedures.

### Error Recovery Level 1 & 2:

The StorageDirector Error Recovery Level 1 (ER1) monitor information packets that are

Screen shot: Pogo network configuration FTP server



sent over the network from the iSCSI initiator to the iSCSI target. Error Level Recovery 1 also supervises network communication and recovers lost data during transmissions the StorageDirector Error Recovery Level 2 (ER2) is used when there are multiple network connections. Error Recovery Level 2 inspects the vitality of the network connection and if a connection goes offline, then the StorageDirector OS searches for an operational connection and redirects all network traffic.

### Remote Replication:

With The StorageDirector's Remote Replication feature, organizations can improve their business continuation model by backing up directly to disk. This shortens their backup time and can retrieve archived information in a matter of minutes. This allows both public and private organizations that comply with federal regulations to eliminate the traditional form of backup; transferring data into tape, which is time consuming, generates multiple tape copies, and often leaves sensitive information exposed.

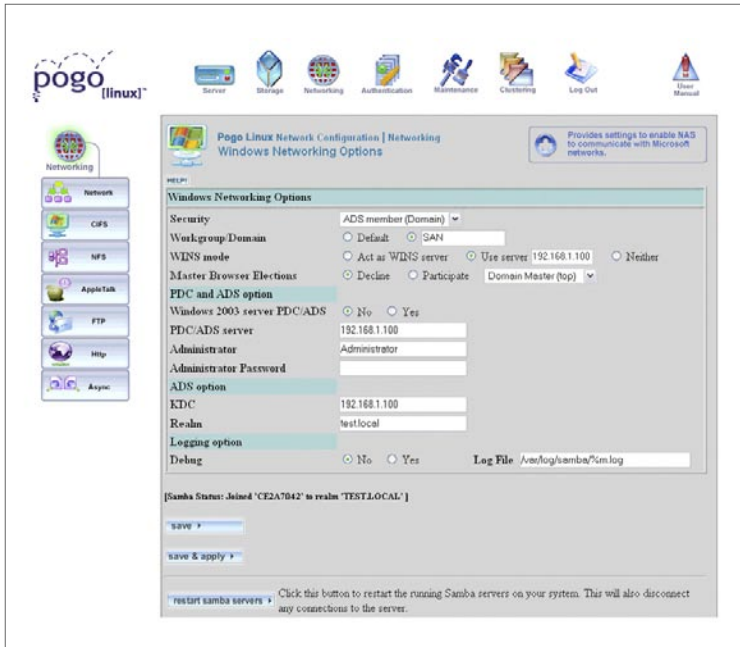
### Updates & Security:

The StorageDirector can be updated with signed Red Hat Packages (RPMs) though an USB disk-on-key or USB CD-ROM. In addition, system administrators can turn off network updates and remove unused components if required. The StorageDirector requires authentication protocols through an encrypted channel (HTTPS) and provides protection against security breaks by verifying the change and signature of the system software. The system software signature can be stored as a read-only media file after being downloaded. This is done to keep data secured and restricted from unauthorized users.

### Multiple Root Control Services:

The StorageDirector offers Root Control Service (RCS) to the operating system. With RCS, the administrator can add or remove modules, restrict IP access control, and creates NIS domain users, local Windows and LDAP users groups. The StorageDirector grants access to the UNIX shell command through SSL/TLS.

Screen shot: Windows networking options



**CHASSIS:**

- Standard 3U Form Factor

**POWER SUPPLY:**

- Redundant 650W Hot Swappable Power Supply

**FANS:**

- Six Internal Blower Fans
- Two Rear Exhaust Fans
- Power Supply Fan

**CHIPSET:**

- Intel 5000P Chipset Motherboard
- 1333MHz Front Side Bus

**MEMORY:**

- 2GB DDRII-667 Fully Buffered Memory (2x1024MB)

**PROCESSOR:**

- Dual Intel Dual Core Xeon 5130 2.0Ghz (4MB Cache) Processors

**I/O PORTS:**

- One Serial Port
- One Parallel Port
- Two PS/2 Connectors (Keyboard and Mouse)
- Two USB 2.0 Ports (Located in Rear)

**DRIVE BAYS:**

- Sixteen Hot-Swap Serial ATA Drive Bays
- Optional CD-RW and DVD+/-RW Drives

**STORAGE ARRAY:**

- 11.25TB Available Redundant (12TB Raw) Hot Swappable Storage (16x750GB SATA)

**MANAGEMENT:**

- Optional PogoRemote IPMI 2.0 for Out of Band Management

**RAID CONTROLLER:**

- AMCC 3Ware 9650SE-16ML 16 Port SATAII RAID Card with Battery Backup

**HARD DISKS:**

- 7200RPM Serial ATA or 15k RPM SAS Hard Drives (Storage Array)
- 2.5" SATA Hard Drive (OS Drive)

**VIDEO:**

- Onboard ATI ES1000 16MB Video Adapter

**NETWORK:**

- Dual Onboard nVidia 10/100/1000 Ethernet

**DIMENSIONS:**

- Height: 5.25"
- Width: 19"
- Depth: 27.5"

**WEIGHT:**

- 80 lbs (Default Configuration)