



The Next Generation in RAID Subsystems

Storageflex™ 3945N RAID is the most comprehensive NAS, iSCSI & FC SAN Storage Subsystem available today. The system is designed for use in the most mission-critical fail-safe environments, but flexible enough to provide a complete spectrum of solutions. This fully featured subsystem is the result of Storageflex's two (2) decades of data storage experience. Each feature, both form and function, relate to multiple short and long term benefits. The following is a list of features, functions, and benefits.

Storageflex™ 3945N

- Supports NT/2000/2003, Unix and MAC Networks
- Active Directory and NIS Support
- Volume Snapshots
- Scalable Capacity up to 100TB
- Single or Dual Xeon Processors
- RAID 0, 1, 3, 5 & 6 support for Double Parity
- Choice of 7,200, 10,000 or 15,000RPM SAS/SATA2 Disks
- Online RAID Expansion
- Available Embedded Backup & Remote Replication
- Redundant Hot Swap Power Supplies (Optional on 2U)
- Optional SCSI/FC/iSCSI Device Connectivity
- Optional iSCSI, FC and NAS Simultaneous Host Support
- GUI Remote Management

3945N iSCSI & NAS Systems are available in 1U, 2U, 3U, 5U and 8U 50 Hot Swap SAS or SATA2 Drive Bays with internal capacity of up to 7.2TB of SAS or 50TB of SATA2 RAID Storage before even considering external expansion options. 3945N was designed to attach to any SCSI, iSCSI or Fibre Channel attached RAID Arrays from Storageflex or any other manufacturer while providing NAS and iSCSI Host Connectivity. Up to 100TB of external storage is possible with Storageflex's 3945N, FF 1124, FF 1124U or HA 3969 Subsystems.

High Powered Scalability

3945N is a high powered NAS RAID with Dual Gigabit Ethernet Connectivity plus Optional iSCSI Addition. Absolute fault tolerance is possible with optional tape backup or remote replication via block level synchronization.

No Additional Hardware, Software, Drivers or Licenses

Each of our NAS Systems installs in minutes simply by plugging into an available port on an Ethernet Switch and assigning an appropriate IP Address(es). 3945N offers the ultimate in performance for all NT/2000/2003, Unix and MAC Networks.



1U 4 Hot Swap SATA2 Bays, Single/Dual Xeon and Single Power Supply, 4TB in 1U of 19" Rack Mount Space!



2U 8 Hot Swap SAS/SATA2 Bays, Single/Dual Xeon and Single Power Supply 8TB in 2U of 19" Rack Mount Space!



3U 16 Hot Swap SAS/SATA2 Bays, Single/Dual Xeon and Redundant Hot Swap Power Supplies 16TB in 3U of 19" Rack Mount Space!



5U 24 Hot Swap SAS/SATA2 Bays, Single/Dual Xeon and Redundant Hot Swap Power Supplies 24TB in 5U of 19" Rack Mount Space



8U 50 Hot Swap SAS/SATA2 Bays, Single/Dual Xeon and Redundant Hot Swap Power Supplies, 50TB in 8U of 19" Rack Mount Space

Storageflex™ 3945N Specifications

NAS Client Operating Systems Supported:	Windows NT/2000/2003 using TCP/IP, MAC using Apple IP, Linux and Unix using NFS including Sun Solaris, HP/UX, IBM AIX, SGI IRIX, FTP & HTTP. Windows NT Domain Integration and NetWare Bindery, NDS, SNMP & DHCP Support.
iSCSI & FC Host Operating Systems Supported:	Multiple Simultaneous Operating Systems Support via iSCSI Initiators from Operating System or iSCSI HBA including Windows 2000, 2003, RedHat 9.0, Linux RedHat Enterprise AS 3.0, SuSE 8.1, Sun Solaris 9.0
Directory Support:	Active Directory and NIS
Processor:	One or two Quad Core Xeon
Memory:	1GB upgradeable to 32GB
RAID Levels Supported:	RAID 0, 1, 10, 5, 50, 6, Single Disk (JBOD) across all 16 disks on 3U and 24 disks per raid group on 5U/8U with one or more automated hot spare disks without human intervention required for automatic rebuilds without data loss nor interruption to data access
GUI Management:	Local or Remote over Remote Desktop or Web Browser
Drive Interface:	Internal Standard: SAS and SATA2 (1U is SATA2 only) External Optional: SAS, SATA2 or Fibre Channel using external raid array(s)
Hot Swap Drive Capacities:	SATA2: 250GB, 400GB, 500GB, 750GB or 1TB 7,200RPM with 16MB Onboard Cache SATA: 150GB 10,000RPM with 16MB Onboard Cache SAS: 146GB or 300GB 10,000RPM or 15,000RPM with 16MB Onboard Cache
Maximum Internal Number of Drives:	1U Chassis: 4 SAS/SATA2 Disks 2U Chassis: 8 SAS/SATA2 Disks 3U Chassis: 16 SAS/SATA2 Disks 5U Chassis, 24 SAS/SATA2 Disks 8U Chassis, 48 SAS/SATA2 Disks + 2 SATA2 Disks
Maximum Ext. Capacity:	100TB
Host Interfaces:	Dual Gigabit Ethernet RJ45 upgradeable to 14. Embedded iSCSI Target Option using industry standard iSCSI Initiators. 12 x 1Gbit Optical Host Interfaces and 2 x 4Gbit Fibre Channel Host Interfaces Optional.
Dimensions:	1U: 1.75"(H) x 17.5"(W) x 26.5"(D) 2U: 3.50"(H) x 17.5"(W) x 26.5"(D) 3U: 5.70"(H) x 17.5"(W) x 26.5"(D) 5U: 8.70"(H) x 17.5"(W) x 28.0"(D) 8U: 14.0"(H) x 17.5"(W) x 29.0"(D)
Power Voltage:	1U: Input Range 90Vac - 264Vac 250W 2U: Input Range 90Vac - 264Vac 250W 3U: Input Range 90Vac - 264Vac 650W Redundant Hot Swappable n+1 5U: Input Range 90Vac - 264Vac 930W Redundant Hot Swappable n+1 8U: Input Range 90Vac - 264Vac 930W Redundant Hot Swappable n+1
Fans:	Redundant Fixed Fans on 1U/2U. Redundant Hot Swappable n+1 on 3U 16 Bays, 5U 24 Bays and 8U 50 Bays
Temperature:	Operating: 5°C - 35°C Non Operating: -20°C - 60°C
Humidity:	Operating: 20 - 80% Non Operating: 10 - 70%
Operating Altitude & Shock:	Sea Level - 3,048 Meters Operating: 10 G or less Non Operating: 175 G or less
Vibration:	Operating: 0.75Gs Non Operating: 2Gs
MTBF:	1,200,000 Hours
Safety Approvals:	FCC, TuV
Warranty:	90 Days Technical Support. Optional Upgrade with extended warranty backed by Advance Parts Replacement, Onsite Service 9 x 5 x Next Business Day or 24 x 7 x 4 Onsite Service.