



Storageflex



The Next Generation in RAID Subsystems

The Storageflex™ 3945L SAN and NAS Servers from Storageflex™ establishes a new standard in easy-to-use network-ready Storage devices. These Network Attach Servers are cost effective Solutions designed to be easily networked on an Ethernet Network running Windows, Unix and/or MAC. 3945L can be equipped with four hard disks or SSD, with or without RAID Level Protection for the most performance demanding and high access traffic applications. Installation is fast and simple with immediate access to all media from most popular operating systems without the need for additional hardware, software or licenses. Each 3945L can be used as a standalone tower or rack-mounted chassis. Each system attaches directly to any 10/100/1,000mbit Ethernet Network with dual NIC ports. NIC Teaming and Failover is supported for performance gain and fault tolerance.



Feature Overview

Best in Class

3945L is more powerful and expands beyond others in this class of storage devices. Starting with 8GB cache expandable to 16GB, 3945L comes standard with Intel i3 CPU upgradeable to Xeon E3. In addition, its internal 4 disk drive bays can be expanded with an additional 128 SAS, SATA or SSD disks. This is unmatched in the industry!

ZFS Read/Write Cache with SSD

3945L's internal ZFS file system is able to use one or more SSD to increase performance with Read/Write Caching. This design is totally fault tolerant such that even if the SSD fails, data integrity is preserved and performance returns to normal until the SSD is replaced.

Thin Provisioning

Thin Provisioning is another excellent addition to the 3945L features list. Thin Provisioning allows the administrator to allocate users more space than physically exists in the system. When paired with ZFS, it becomes easy to manage your total data pool size, and quickly and effectively grow to meet your users needs as they use more of their allotted space.

Backup and Restore

Remote Replication allows you to copy a snapshot to an offsite server, for maximum data security.

Web User Interface

3945L features a ground up redesign of the web user interface. No mess, no fuss – your server is easily controlled from any web-enabled device. Configuration is straightforward and simple, and you can make your changes on the fly.

Snapshots

If your data is somehow lost, 3945L makes it easy to restore from a previously generated snapshot. With the periodic snapshots feature, you can worry less about data loss, and use your system stress free.

Zettabyte File System

One of 3945L's most important features is full support for the ZFS filesystem. ZFS includes data integrity protection, practically unlimited size caps, cloneable snapshots, automatic repair, RAID-Z, and more. ZFS is fully open-source, and is a great way to store and manage your important files.

Command Line Interface

3945L is based on FreeBSD 8.x, and will update and keep current with the FreeBSD project. So if you're a savvy user, and prefer to use the command line, no problem! ssh in, and control your 3945L device from the 3945L custom CLI.

File Sharing

3945L is based on FreeBSD 8.x and features much of the same driver support. This gives anyone building their own FreeNAS device or re-purposing old hardware a wide selection of hardware choices.



Storageflex™ 3945L Specifications

NAS Client Operating Systems Supported:	Windows 2000/2003/2008/2012 using TCP/IP, MAC using Apple IP, Linux and Unix using NFS including Sun Solaris, HP/UX, IBM AIX, SGI IRIX, FTP & HTTP.
iSCSI Host Operating Systems Supported	Multiple Simultaneous Operating Systems Support via iSCSI Initiators from Operating System or iSCSI HBA including Windows 2000, 2003, 2008, 2012, RedHat 9.0, Linux RedHat Enterprise AS 3.0, SuSE 8.1, Sun Solaris 9.0
Directory Support:	Active Directory and NIS
Processor:	One Intel Core i3 2100 (3.1GHZ L3 3MB Cache) or Intel Xeon Processor E3-1235 (3.20 GHz, 8M Cache)
Memory:	8GB upgradeable to 16GB. Further expandable with SSD for read and write cache by ZFS
RAID Levels Supported:	0, 1, 3 (in UFS) Stripe, Mirror, RAID-Z, RAID-Z2 (in ZFS)
GUI Management:	Local or Remote over Remote Desktop of Web Browser
Drive Interface:	4 x SSD or SATA3 Disks
Hot Swap Drive Capacities:	SATA3: 1TB, 2TB, 3TB or 4TB 7,200RPM with 64MB Onboard Cache or 120GB, 240GB or 480GB SSD
Maximum Internal Number of Drives:	4 x SATA or SSD
Maximum Ext. Capacity:	512TB using 128 x 4TB Hot Swap Disks in SJ316 platform
Host Interfaces:	Dual Gigabit Ethernet. Embedded iSCSI Target.
Dimensions:	1U Rack Mount: 1.75"(H) x 17.5"(W) x 26.5"(D) at 10.5kg Tower: 10.63" (H) x 7.78" (W) x 12.2" (D) at 8.5kg
Power Voltage:	Input Range 90Vac - 264Vac 250W
Fans:	Redundant Fixed Fans on 1U. Single fan on Tower Model.
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:	3 Years Return to Factory Warranty. Advance Replacement Warranty Optional.