



# SN3400

## MULTI-PROTOCOL ROUTER

### Key benefits

#### Keep data available

Field-replaceable, hot-swappable power supplies and fans help keep your systems online, and dual storage network ports keep data flowing.

#### Expand as needed

Connect other storage devices as needed with up to 12 SCSI ports and eight Fibre Channel ports.

#### Centralize and consolidate

Move existing storage to a centralized location to improve security, accelerate data flow, simplify management and reduce costs — all at once.

#### Use resources wisely

Since multiple servers can share storage resources, you can increase storage and operational flexibility without adding resources.

#### Protect your investment

Accommodate new technologies, connect and manage storage devices into Fibre Channel, iSCSI and InfiniBand storage networks.

#### Accelerate performance

Throughput of 300 megabytes per second, 2-gigabit-per-second Fibre Channel ports, and 160-megabyte-per-second Ultra3 SCSI ports allow you to move storage traffic onto the SAN and off the LAN, so backup and restores happen faster.

#### Optimize space

Low-profile 1u form factor saves valuable space — and costs — in the data center.

#### Install without headaches

Accurate device mapping, built-in security and reliable interoperability with other SAN components make installation a snap.



### StorageNet® 3400 (SN3400) multi-protocol router

Enterprise data users expect data to be constantly available, 100 percent accurate, fully protected and delivered instantly. Of course, they assume you can deliver these things with existing IT budgets and resources. The StorageNet® 3400 (SN3400) multi-protocol router gives you the horsepower and storage intelligence you need to help you meet expectations across the enterprise — and not just today, but for years to come.

#### Get connected

The SN3400 multi-protocol router allows you to connect and manage storage devices across Fibre Channel, iSCSI and InfiniBand storage networks, so storage is consolidated and management is simplified. This system performs all protocol and storage management functions between storage devices and the network. You can even map and mask LUNs to the device level without using host resources.

#### Redundancy

Built-in tools for proactive error recovery and data verification help you meet a basic user expectation: reliable access to good data. Dual storage network ports provide redundant network connections for continuous host access. Dual power supplies and fans provide uninterrupted data availability, even if one component fails. And field-replaceable, hot-swappable power supplies and fans help you keep storage online 24 x 7 x forever.

#### The faster backer-upper

Now you can back up ever-larger datasets without changing your existing backup window. Take advantage of the SN3400 router's LAN-free and server-free backup/restore feature to reduce traffic on the LAN as well as CPU cycle use and I/O on the server.

#### Controlled access

SAN resources can be shared, so multiple hosts can have access to the same devices on the SAN. Yet access is fully controlled with built-in access controls. This group of utilities goes far beyond simple LUN masking, with intelligent access restriction routines that allow hosts to find and access the exact devices you choose.

## Less complexity, less cost

Installation is fast and simple with integrated Crossroads Visual Manager (CVM) software, a graphical point-and-click tool for quickly defining how storage devices share resources. Management is also fast and flexible: once security access privileges are assigned, you can manage routers and libraries remotely from any Web-connected computer.

# StorageNet SN3400 multi-protocol router specifications

## Performance

Total aggregate throughput	Over 300 MB/sec maximum sustained
Fibre Channel port speed	1 or 2 Gb/sec
SCSI	Fast, Narrow, Wide, Ultra Wide and up to Ultra160
Maximum burst I/O rate	45,500 I/O per sec (from cache)
Each LVD bus	160 MB/sec (maximum)
Each HVD bus	40 MB/sec (maximum)

## Capacity

Number of ports	Up to 8 Fibre Channel ports or up to 12 SCSI buses (with 2 FC ports)
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## Availability

Hot-swap components	Redundant, hot-swappable power supplies and redundant, hot-swappable fans (3 fans per module)
Serviceability	Field-replaceable I/O modules, report page, resident diagnostics

## Compatibility

Interoperability	All major SAN interconnect components and management applications
Supported tape libraries	L20/L40/L80/L180/L700e/L5500

## Management

Graphical user interface (GUI)	Embedded Web server provides access to Visual Manager
Command line interface	Serial and Telnet interfaces
FTP	FTP for upgrading firmware, saving/uploading configurations, saving traces
SNMP	FA MIB and private MIB (Crossroads Enterprise MIB) support
In-band management	Supports In-Band Fibre Channel and SCSI commands
Number of maps supported	Up to 8
LUN masking (ability to hide LUNs)	Yes
Server-free backup/restore	Yes (up to 8 separate operations at a time)

## Mechanical

Height	1.70 in (4.31 cm)
Depth	20.38 in (51.76 cm)
Width	17.0 in (43.18 cm)
Unit height	1u*
Weight	Approximately 18 lb

## Environmental

Temperature	+32° to +122° F (0° to +50° C)
Relative humidity	5%–80%, non-condensing

## Power

Power input (auto-sensing)	100–240 VAC @ 50/60 Hz single-phase, 2.0 Amps			
Power consumption (maximum)	Voltage VAC	Amps	Watts	Btu/hr
	100	0.81	81.00	276.96
	120	0.67	80.40	274.90
	230	0.38	87.40	298.84
	240	0.37	88.80	303.62

## Regulatory compliance

Safety and emissions	FCC Class B, UL 60950, cUL,
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\*Rack space is measured in height and expressed as a u. One u is 1.75 in (4.45 cm) in height.

## ABOUT STORAGETEK®

Storage Technology Corporation (NYSE: STK), a \$2 billion worldwide company with headquarters in Louisville, CO, has been delivering a broad range of storage management solutions designed for IT professionals for over 30 years. StorageTek offers solutions that are easy to manage, integrate well with existing infrastructures and allow universal access to data across servers, media types and storage networks. StorageTek's practical and safe storage solutions for tape automation, disk storage systems and storage integration, coupled with a global services network, provide IT professionals with confidence and know-how to manage their entire storage management ecosystem today and in the future.

StorageTek products are available through a worldwide network. For more information, visit [www.storagetek.com](http://www.storagetek.com), or call 1.800.275.4785 or 01.303.673.2800.

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