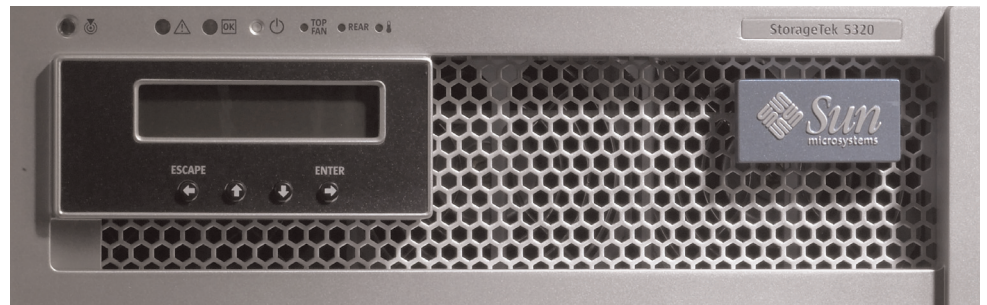


## Sun StorageTek™ 5320 NAS Gateway System

Powerful NAS Gateway system keeps up with demanding business requirements.



### Highlights

- Enterprise-class features such as file system journaling, checkpointing, remote mirroring, antivirus, clustering, and system redundancy help keep your business running.
- Multi-protocol file sharing integrates seamlessly and securely supports data sharing between UNIX and Windows clients.
- System provides purpose-built, enterprise-class dedicated file sharing services to storage area networks for a unified block and file storage consolidation solution.
- Integrated real-time antivirus scanning feature protects your data from computer viruses.
- iSCSI target support enables block-level data access over an IP-based Ethernet network.
- Sun StorageTek Compliance Archiving software (advisory enforcement only) allows you to meet less stringent regulatory requirements and business governance needs.
- StorageTek 5320 NAS Gateway system is also available in a clustered version.

> The Sun StorageTek™ 5320 NAS Gateway system provides purpose-built, enterprise-class dedicated file sharing services to storage area networks for a unified block and file storage consolidation solution. The Gateway system delivers the benefits of storage consolidation and centralized backup to multi-protocol IT environments. With support for both UNIX® and Windows platforms, the system simplifies file sharing between disparate environments. By providing file sharing services with a StorageTek 5320 NAS Gateway system, standard block-level services of the storage area network are not impacted. The end result is the best of file sharing services with the best of block-level services with the benefit of consolidated storage and data within a single storage platform.

The Sun StorageTek 5320 NAS Gateway system combines advanced enterprise-class features to help protect your data and keep your business running smoothly. It features file system journaling, checkpointing, remote monitoring, iSCSI, antivirus, and optional clustering, to deliver very high levels of availability and performance in almost any open environment. Set up as a single head or as a dual clustered NAS server configuration, the system provides quick deployment, simple manageability, seamless integration, and flexible policy-based services. In addition, it's easy to operate and effortless to manage, and installs in less than 15 minutes, thanks to its highly intuitive wizard. The optional Sun StorageTek Compliance Archiving Software, with advisory enforcement only, enables the NAS Gateway system to store regulated and reference information to meet less stringent regulatory and business compliance requirements. It allows a trusted administrator to do certain activities, including reducing the retention time of a file and removing WORM-protected files. These events are captured in the compliance audit log. To provide for disaster recovery situations over distance, the

optional StorageTek File Replicator enables remote data mirroring between StorageTek NAS appliances and Gateway systems.

### Engage the storage experts

Sun StorageTek service professionals help you address storage challenges by delivering integrated services and solutions that optimize and manage storage performance over the life of your data. Our recognized, world-class service and customer care give you confidence that your technology investment is protected and that your business will be responsive to change. We can help you pinpoint opportunities to reduce costs, mitigate business risk, and better leverage information assets. Our consulting and managed services offer clear and simple choices in solutions that address your regulatory concerns, complex storage growth, resource management, and scalability challenges. Covering over 125 countries, more than 2100 dedicated storage service professionals can help you gain and sustain measurable results with the reliability and flexibility that you require.

# Sun StorageTek™ 5320 NAS Gateway System Specifications

## Processors and memory

CPU	One 2.6 GHz AMD Opteron with 1 MB cache
Memory	4 GB DDR1/400 ECC registered DRAM

## Standard/integrated interfaces

Network	Four standard 10/100/1000BaseT Ethernet ports. Up to 3 optional dual-port 10/100/1000BaseT Ethernet NICs
SCSI	One optional Ultra 320 SCSI multimode (SE/LVD)
USB	Two USB ports (bottom for USB Connection, top for factory use only)
Expansion bus	Five internal PCI-X 64 bit (3 available for expansion)
Fibre Channel	Two standard dual-port 2Gb/sec FC HBA. One optional for tape backup

## Software/operating system

Operating system	StorageTek 5000 NAS OS—Storage-optimized operating system
File system	64-bit journaling file system, checkpoints, online extensible/expandable capacity, NTFS streams support, quotas: user, group, and directory tree, Unicode
File access protocols	CIFS/SMB, NetBIOS, NFS v2 and v3, FTP
Block access protocol	iSCSI target
Directory and name services	ADS (LDAP, Kerberos v5), NT 4.0 multiple master domains (MMD), DNS, WINS, NIS, NIS+, local files
Network services	DHCP, NTP, RDATE, network status monitor
Access control	NT 4.0 access control lists and access tokens, UNIX® credentials and permissions, credential mapping, directory tree quotas, user and group quotas, checkpoints, SMB/CIFS shares, UNIX exports, approve lists, trusted host lists, netgroups, cross-platform file locking (limitations), cross-platform authentication
Supported clients	
CIFS, FTP	Microsoft Windows NT 4.0/2000/2003/XP
NFS, FTP	Sun Solaris™ 2.6, 7, 8, 9, 10; Sun Solaris x86 9, 10; IBM AIX 5.1 (ML-06); HP HP-UX 11i; Red Hat Linux EE 2.1; SUSE Linux ES 9
iSCSI	Solaris™ i0 iSCSI Software Initiator; Initiator; Microsoft iSCSI Software Initiator
Remote management	SNMP, Remote Syslog
System administration	Web (HTTP/based on Java™ platform) GUI, telnet, Rlogin, Rsh, SSH, console command line interface (CLI)
Mail services	SMTP
System monitoring	Disk subsystem via SCSI enclosure services (SES); fans, power supplies, temperature, voltages via IPMI protocol; UPS; network monitor
Tape backup	NDMP v2 and v3, backup with full Unicode, remote backup configuration support with NDMP
Setup and configuration	Web-based GUI
RAID manager	Integrated through Web-based GUI
Antivirus engine supported	Symantec AntiVirus™ for Network Attached Storage and Computer Associates eTrust® Antivirus scan engine; (must license separately from their respective vendors)

## NAS head enclosure

Dimensions	Height: 3.45 in. (8.76 cm); width: 17.52 in. (44.5 cm); depth: 25.2 in. (64 cm)
Weight	52.1 lbs (23.7 kg)
Enclosure	Fits into a standard 19-inch rack
AC Power	Voltage Range: 90-264 VAC; Frequency: 47-63 Hz 4.0 A Max. @ 115 VAC; 2.0 A Max. @ 230 VAC
Safety regulations	IEC60950, UL/CSA60950, EN60950, CB Report with all national differences
RFI/EMI regulations	Class A, FCC CFR47 Part 15, ICES-003, EN55022, EN300 386 v1.3.2
Immunity regulations	EN55024, EN300 386 v1.3.2
Certifications: safety	Safety: cULus, CE, GOST R, S-Mark (CCC exempt as "Storage" product). EMC: Class A, FCC, VCCI, C-Tick, MIC, BSMI, GOST, (CCC exempt as "Storage" product)
Hazardous Substance Regulations	Complies with the Restriction of Hazardous Substances (RoHS) directive 2002/95/EC

## Mass Storage 'StorEdge 5300 Storage (Non-RoHS)'

External SAN subsystem	
Sun SAN arrays	StorageTek 6130, 6140, 6920, 9970, 9980, 9985, 9990; FLX 210, 240, 280, 380
SAN connectivity- FC switches	Sun StorEdge 2 Gb FC Switch-8, Switch-16, Switch-64 Brocade SilkWorm 200E, 3250, 3850, 3900, 4100, 24000, 48000 McDATA Intrepid 6064, 6164, Spheron 4500 QLogic 5200, 5602 Cisco MDS 9216, 9509

*Note: Refer to the product Web page for the latest list of supported iSCSI initiators, antivirus engines, external SAN subsystems, and FC switches.*

Learn More

For additional information on this product, go to: [www.sun.com/storage/5000/](http://www.sun.com/storage/5000/)