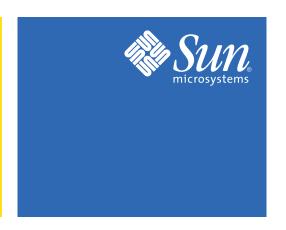
Sun StorEdge[™] Network 2 Gb FC Switch-16

Harness the data explosion with full fabric, highly available SANs.



Lower total cost of ownership

Storage consolidation delivers lower total cost of ownership (TCO) due to lower maintenance costs, smaller data center footprint, and efficient resource utilization.

Easy manageability

Intuitive Web-based interface provides simple management and allows more detailed views for status and diagnosis.

Optimal performance and scalability

Unique switch-fabric architecture optimizes performance and enables bottleneck-free scalability.

Flexible connectivity

Open systems connectivity supports diversified data center requirements and any-to-any connectivity.

Proven solutions

Pretested for mission-critical data center environments.

Maintaining availability and security in a constantly changing environment requires the power of Sun's scalable, fully integrated, high-performance fabric SAN. Supporting a heterogeneous SAN infrastructure running at top Fibre Channel speeds up to 2 Gb/sec, the Sun StorEdge™ Network 2 Gb FC Switch-16 (Sun switch) offers state-of-the-art SAN features at an attractive price. These features include multiple switch-to-switch links that enable topologies with no single point of failure, hot-swappable parts for serviceability, and self-discovering and self-configuring ports to allow for repairs and expansion while the network is still up and running. The intuitive Webbased interface provides simple management and allows detailed fabric-, switch-, or port-level views of a multiple switch environment. In addition, the Sun switch protects your investment in SAN by offering 1 Gb connections for existing storage and server devices, automatically supporting 2 Gb devices as they are added to the network.

Sun StorEdge Complete Storage Solutions — providing you with comprehensive hardware, software, and services to solve your business challenges from the workgroup to the data center.



Sun StorEdge[™] Network 2 Gb FC Switch-16

Specifications

Purchase this product from the Sun[™] Store, **sun.com/store**, or contact an authorized Sun reseller near you.

Standards Fibra Channel authority FC PU Pro 4.2 FC FC			Fabric Management (continued)		Mechanical	
Fibre Channel protocols	FC-PH Rev 4.3 FC-PH-2 FC-PH-3 FC-AL Rev 4.5 FC-AL-2 Rev 7.0 FC-FLA	FC-FG FC-PLDA FC-Tape FC-SW-2 FibreAlliance MIB FC Element MIB	Fabric services	Simple Name Server SANguard Zoning — Hardware-based — Name Server (WWN) — All zoning assigned on per-node basis, even across multistage fabrics	Enclosure types Power supply/cooling Environment	Rear rack mounting kit included Redundant power supplies/fans Selectable airflow
Fibre Channel class of service	FC-GS-2 Class 3			Registered State Change Notification (RSCN) Multi-chassis in-order delivery Multipathing with the StorEdge [®] Traffic Manager software LED indicators, command console, and Web-based utilities	Operating	5°C to 40°C, 15% to 80% relative humidity, noncondensing Altitude: 0 to 10,000 feet Vibration: IEC 68-2, 5 to 500 Hz, random, 0.21 g rms, 10 minutes Shock: IEC 68-2, 4 g, 11ms, 20 repetitions -40°C to 70°C, 5% to 90% relative humidity, noncondensing Altitude: 0 to 50,000 feet Vibration: IEC 68-2, 5 to 500 Hz, random, 2.09 g rms, 10 minutes Shock: IEC 68-2, 30 g, 292 ips, 3 repetitions, 3 axes
Modes of operation	Fabric Public (fabric)-to-Private bridging					
Performance Features			User interface			
Fabric port speed	2 Gb/sec, full duplex, auto- negotiating for compatibility with		Scalability		Nonoperating	
Fabric latency	existing 1 Gb devices Less than 0.4 µs (best case, no contention)		Ports per chassis	16 universal ports, populated in single-port increments		
	Cut-through routing		Multi-switch fabrics	Supports all topologies, including: cascade, cascaded loop, and mesh		
Fabric point-to-point bandwidth	Up to 412 MB/sec full duplex			Supports multiple links between switches		
Fabric aggregate bandwidth	Single chassis: Up to 64 Gb/sec			In-order delivery of frames in all multi-switch and multi-link configurations	Power	
	(full duplex) end-to-end Non-blocking architecture				Operating voltage	90-265 VAC, 47-63 Hz
Maximum frame sizes	2148 bytes (2112 byte payload)		Fabric port types	All ports can assume the following states: -F_port: Fabric -E_port: Switch-to-switch -T_port: Translative mode — Private-to-Public/Public-to- Private bridging Most ports are auto-discovering, self-configuring	Power source loading	1.9 Amps maximum at 90-137 VAC 0.95 Amps maximum at 180-265 VAC
Per-port buffering	ASIC-embedded memory (non-shared)				Heat output	170 Watts fully populated
	Each port has a guaranteed 12-credit zero wait state buffer for full performance up to 10 km Longer distance solutions achievable ic Management				Regulations	
					Meets or exceeds the following requirements:	
Fabric Management					Safety	Canada: ULC 1950 US: UL 1950 EC: EN60950, CB-Scheme
Management processor	Pentium Processor		Media type	Hot-pluggable, industry-standard SFPs (Small Form Pluggable)	EMC Dimensions and Weig	Canada: ICES-003 Issue 3 US: FCC Part 15 Class A, VCCI Class A Japan: VCCI Class A EC: A4EN55022 Level A, EN55024:1998
Management methods	SANsurfer Web-based management tools					
	SNMP, Telnet		Supported SFP types	Shortwave		
Access methods	In-band Ethernet 10/100 BaseT with RJ45 RS-232			Longwave Any SFP type can be used in any fabric port		,
Diagnostics	Power-up self-test of all functionality except media modules Field-selectable full self-test including media modules		Media transmission	Optical: Shortwave-500 m (1,640 ft.);	Height	44.4 mm/1.75 in. (1U)
			ranges	Longwave-10 km (6.2 miles)	Width	432 mm/17 in. (19 in. rack mountable)
			Cable types	50/62.5 micron multimode fiber optic 9 micron single-mode fiber optic	Depth	457 mm/18 in.
					Weight	8.17 kg/18 lbs.

For additional information on this product, go to www.sun.com/storage/san

Sun Microsystems, Inc. 901 San Antonio Road, Palo Alto, CA 94303-4900 USA Phone 1-650-960-1300 or 1-800-555-9SUN Web sun.com/storage



Sales Office

SUN[™] ©2002 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, and Sun StorEdge are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks or local trademarks are used under license and are trademarks or registered trademarks or SPARC International, Inc. in the United States and other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc. Information subject to change without notice.

LFC 1.8 Printed in USA 6/02 DE1707-0/7.5K