



BROCADE SILKWORM

3250

ENTRY FABRIC SWITCH

Key benefits

Affordable foundation

Entry-level pricing provides an affordable foundation for smaller SAN deployments, SAN islands, NAS back ends or edge switches in a core-to-edge enterprise SAN.

Ground-level architecture

Eight-port architecture allows you to start small with a two-switch fabric and migrate at any time to a full-fabric enterprise SAN using other Brocade switches and directors.

High availability

Hot-code activation, automatic path rerouting and extensive diagnostics help you avoid downtime and meet high-availability requirements.

High performance

Two-gigabit-per-second ports deliver aggregate switch throughput of up to 32 gigabits per second.

Bidirectional compatibility

Auto-sensing 1- and 2-gigabit-per-second interfaces provide seamless forward and backward compatibility with existing and future Brocade SAN fabrics.

Simplified management

An easy-to-use interface and simplified management routines help increase productivity and reduce networking and management costs.

Cost-effective by design

Pay-as-you-grow architecture means you can configure — and reconfigure — a right-sized SAN fabric where all available resources are in use and where no ports are wasted.



Brocade SilkWorm 3250 entry fabric switch

The eight-port Brocade® SilkWorm® 3250 entry fabric switch simplifies IT management, shrinks data backup windows, improves system performance and helps reduce overall storage costs. Thanks to entry-level pricing, it does all of this with a small up-front investment. You get high-speed switch performance at up to two gigabits per second per port, for a total of 32 gigabits per second of aggregate Fibre Channel throughput. Translation: power, functionality and SAN technology are now within reach — and within budget. It's the ideal starting point for organizations that want to migrate from small direct-attached storage (DAS) to a SAN deployment to create a secure, affordable solution for data backup/restore, disaster recovery, storage consolidation and disk mirroring.

Embrace change, adapt as needed

Change can be good. It can also be non-disruptive with the SilkWorm 3250 switch. Built-in hardware and software features make it easy to deploy, manage and integrate this switch into a range of IT environments. And since it's fully interoperable with existing 1- and 2-gigabit-per-second Brocade switches and newer Brocade SAN switches and directors, you have the freedom to expand at any time. You can migrate to more sophisticated architectures and support ever-expanding network traffic levels — as well as meet the inevitable need for LAN-free backup and storage consolidation — that define a thriving enterprise.

Availability from core to edge

The SilkWorm 3250 switch provides reliable switching at the edge or core of your SAN. Fabric Shortest Path First (FSPF) technology allows the fabric to automatically isolate problems and reroute traffic around failed links to keep data flowing. Redundant, hot-swappable components keep the system up even if individual ports go down. Network health monitoring, advanced performance monitoring, error detection with fault isolation and other features accelerate troubleshooting and help keep the system available year after year.

Compatibility

The SilkWorm 3250 switch is based on Brocade Secure Fabric OS®, an embedded, real-time operating system that uses the latest networking security technology to provide comprehensive fabric security that addresses vulnerabilities within the SAN fabric. It integrates with heterogeneous environments that include Windows 2000 and NT, UNIX, Linux, HP-UX, Solaris, AIX and others.

Brocade SilkWorm 3250 entry fabric switch specifications

Performance

Port speed	2.125 Gb/sec line speed, full-duplex
Aggregate bandwidth	32 Gb/sec end-to-end
Latency	<2.1 microsec with no contention, cut-through routing at 2 Gb/sec
Maximum frame size	2112-byte payload

Capacity

Fibre Channel ports	8 universal ports
Scalability	2-switch fabric up to a full-fabric architecture with 239 switches maximum
Certified maximum	32 switches, 7 hops with optional full-fabric license; larger fabrics certified as required

Compatibility

Interoperability	SilkWorm II, SilkWorm Express or any SilkWorm 2000 switch
Class of service	Class 2, Class 3, Class F (inter-switch frames)
Port types	FL_Port, F_Port, E_Port; self-discovery based on switch type (U_Port)
Data traffic types	Fabric switches support unicast, multicast (256 groups) and broadcast
Media types	Hot-pluggable, industry-standard Small Form Factor Pluggable (SFP), LC connector; Short-Wavelength Laser (SWL); Long-Wavelength Laser (LWL); distance depends on fiber optic cable and port speed

Management

Fabric services	Simple Name Server, Registered State Change Notification (RSCN), Alias Server (multicast) and Brocade Advanced Zoning
	Optional fabric services include: Fabric Watch, Extended Fabrics, Advanced Performance Monitoring, ISL Trunking, Secure Fabric OS and Remote Switch
Management software	Telnet; SNMP (FE MIB, FC Management MIB); Brocade WEB TOOLS; Brocade Fabric Manager (optional)
Management access	10/100 Ethernet port (RJ-45); Serial port (RS-232); in-band through Management Server
Diagnostics	POST and embedded online/offline diagnostics

Mechanical

Height	1.7 in (4.3 cm)
Depth	12.1 in (30.7 cm)
Width	16.9 in (42.9 cm)
Weight	8.2 lb (3.7 kg)

Environmental

Temperature	
Operating	+50° to +104° F (+10° to +40° C)
Non-operating	-13° to +158° F (-25° to +70° C)
Humidity	20%–85% non-condensing at +104° F (+40° C)
Altitude	Up to 9,800 ft (3,000 m)
Vibration	
Operating	0.5 g sine, 0.5 grms random, 5–500 Hz
Non-operating	2.0 g sine, 1.1 grms random, 5–500 Hz
Shock	80 g, 2.5 ms, half sine

Power

Supported power range	AC input 100–240 VAC, 0.5 A (nominal)
Frequency	47–63 Hz

Regulatory compliance

Safety	Underwriters Laboratories, UL60950; Canadian Standards Association, CSA60950; TUV Rheinland of North America, EN60950; Nemko, EN60950; Low Voltage Directive (73/23/EEC) for CE Marking in European Union
--------	---



ABOUT STORAGETEK®

Storage Technology Corporation (NYSE: STK) is a \$2 billion global company that enables businesses, through its information lifecycle management strategy, to align the cost of storage with the value of information. The company's innovative storage solutions manage the complexity and growth of information, lower costs, improve efficiency and protect investments. For more information, visit www.storagetek.com, or call 1.800.275.4785 or 01.303.673.2800.

WORLD HEADQUARTERS

Storage Technology Corporation
One StorageTek Drive
Louisville, Colorado 80028 USA
1.800.877.9220 or 01.303.673.5151