



TigerSwitch™ 1000 SMC8608SX 8 Port Gigabit Switch

SMC's new TigerSwitch™ 1000 is a Gigabit Ethernet backbone switch that provides 8 full-duplex 1000BASE-SX ports. With 16 Gbps of bandwidth, this switch dramatically improves the performance of congested networks. A host of advanced features and comprehensive management capabilities make this device a potent solution for the network core.

The TigerSwitch™ 1000 provides high bandwidth, high-performance connectivity within and between workgroups, and increased capacity for server farms, giving users faster access to network-wide resources. Moreover, the 1000BASE-SX fiber optic ports support connections up to 550 meters (1800 feet) in length.

The TigerSwitch™ 1000 comes fully-loaded with advanced performance-enhancing features. IGMP maintains available bandwidth by limiting multicast transmissions to subscribers only. Broadcast Storm Suppression prevents broadcast traffic storms from engulfing the network. QoS priority queueing ensures the minimum delay for real-time multimedia data across the network. Flow Control eliminates the loss of packets due to bottlenecks caused by port saturation. Port-based and tagged VLANs are also included to provide traffic security and efficient use of network bandwidth.



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		Benefits

Outstanding Performance

- 8 full-duplex 1000BASE-SX ports
- 16 Gbps of aggregate bandwidth
- QoS support with two levels of priority and Weighted Fair Queueing
- IGMP filtering and snooping provides complete control of multicasts
- Broadcast storm suppression prevents broadcast traffic storms from engulfing the network
- Address table of up to 12K MAC addresses
- Full-duplex flow control eliminates lost packets due to port saturation

Flexible

- Up to 16 IEEE 802.1Q VLANs provides maximum security and bandwidth efficiency
- Port mirroring allows detailed analysis of traffic crossing any port in real time
- Rack-mountable (standard 19" rack)
- Supports a redundant power supply for fail-safe operation

Manageable

- In-band via Telnet, or any SNMP-based management application
- Out-of-band via RS-232 console port
- Web management agent for switch configuration access anytime, anywhere
- 4-group RMON (groups 1, 2, 3, 9)
- Spanning Tree Protocol allows the creation of redundant data paths

Compatible

- IEEE 802.3z, 802.3x, 802.1d, 802.1Q, and 802.1p

Reliability

- Three-year warranty
- Toll-free technical support
- SMC Customer Satisfaction Guarantee



Specifications

TigerSwitch™ 1000

Network Interface

SC connector (multimode fiber cable;
62.5/125 or 50/125 microns)

Buffer Architecture

2 Mbytes per port

Forwarding Mode

Store-and-forward

Address Table

12K MAC address entries

In-Band Management

Telnet, SNMP and Web-based

Out-of-Band Management

RS-232 console port

VLAN Support

Up to 16 groups; 802.1Q tagging and port based

Multicast Filtering

IGMP with snooping for automatic registration

Broadcast Storm Suppression

Discards broadcasts at a critical threshold

Traffic Priority

2 priority queues with Weighted Fair Queuing

Size

17.37 x 11.22 x 2.53 in (44.0 x 28.5 x 6.4 cm)

Weight

10.14 lbs (4.6 kg)

Temperature

Operating: 32 to 122°F (0 to 50°C)
Storage: -40 to 158°F (-40 to 70°C)

Humidity

5% to 95% (non-condensing)

Power Supply

Universal AC input; 100 to 240 VAC, 50 to 60 Hz

Power Consumption

70 Watts maximum

Heat Dissipation

239 BTU/hr maximum

Maximum Current

0.5A @ 110 VAC
0.7A @ 240 VAC

Standards

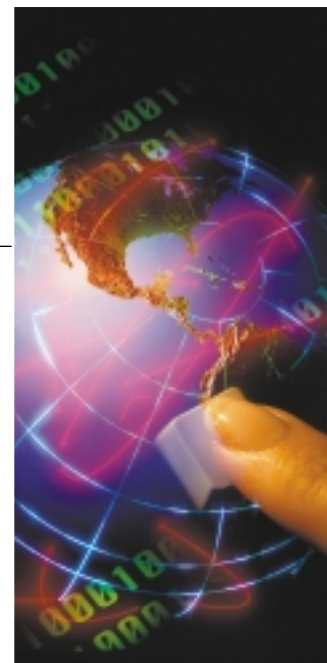
IEEE 802.3z Gigabit Ethernet
IEEE 802.3x Full-Duplex Flow Control
IEEE 802.1d Spanning Tree
IEEE 802.1Q VLAN Tagging
IEEE 802.1p Priority Tagging
SNMP (RFC 1157)
RMON (RFC 1757 groups 1, 2, 3 and 9)
IGMP (RFC 1112)
MIB II (RFC 1213)
Ethernet-Like MIB (RFC 1643)
Bridge MIB (RFC 1493)

EMC/Safety Compliances

CE Mark
Emissions
FCC Class B
Industry Canada Class B
EN55022 (CISPR 22) Class B
VCCI Class B
C-Tick - AS/NZS 3548 (1995) Class B
Immunity
IEC 1000-4-2/3/4/6
Safety
CSA/NRTL (CSA 22.2.950 & UL 1950)
TUV/GS EN60950

Warranty

Three years



Product	Order Number	Description
TigerSwitch™ 1000	SMC8608SX	8-port Gigabit Ethernet switch
	SC-ST Converter	99-012034-091 SC to ST-type port converter for 62.5/125 micron fiber cable
	RPU SMC RPU150W	Redundant power supply unit

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