TigerSwitch™ 1000

6-Port Gigabit 10/100/1000 Managed Standalone L2 Switch

Model Number: SMC8606T

The TigerSwitch 1000 makes gigabit affordable by providing 6 Auto-MDIX10/100/1000 BASE-T ports, and 2 hot-swappable GBIC slots for fiber connectivity. Without rewiring your existing network, SMC8606T brings gigabit connections for bandwidth starved workstations, workgroups, and servers. It is a worthy investment for the long run.

SMC8606T delivers non-blocking switching performance, with advance features like Quality of Service, VLAN support, MultiLink Trunking to provide maximum performance benefits while maintaining security and reducing network problems. Spanning Tree support, redundant power lower the total cost of ownership. SNMP, RMON and a full-featured Web based the TigerSwitch 1000 is further backed by a comprehensive limited lifetime warranty and SMC's award winning free technical support.

Overview

Advanced Features

- Easy migration- 6 10/100/1000 ports Convenient Expansion – Each unit comes with 2 slots for GBICs for fiber or copper connections and network expansion
- QoS expedites critical data via prioritizing and filtering
- MultiLink Trunking creates high-speed data paths to servers or other switches
- VLAN Support provides port VLANs and GVRP for auto-registration
- IGMP Snooping reduces multicast traffic for maximum performance
- Broadcast storm control allows a user-defined threshold to limit broadcast traffic

Benefits

- EliteView, SMC's full-features, Windows-based SNMP management software, included free
- Manage and configure the TigerSwitch 1000 from any Web-browser
- 4 group RMON support for detailed monitoring of network performance
- RS-232 port available for out-of-band direct or remote management
- Mirror port traffic from any port for easy troubleshooting
- Spanning Tree protocol creates resilient links for increased stability
- Optional redundant power unit provides maximum uptime

Compatibility

- IEEE 802.3 Ethernet
- IEEE 803.3u Fast Ethernet
- IEEE 803.3z Gigabit Ethernet
- IEEE 802.1d Spanning Tree Protocol and traffic priorities
- IEEE 802.1P Priority Tags
- IEEE 802.1Q VLAN
- IEEE 802.3ab Gigabit
- IEEE 802.3ac VLAN Tagging
- IEEE 802.3x Full-duplex flow control
- IEC 8802-3
- SNMP (RFC 1157), RMON (RFC 1757), ARP (RFC 826),
- IGMP (RFC 1112),MIB II (RFC 1213), Ethernet-like MIB
- (RFC 1643), Bridge MIB (RFC 1493)

SMC8606T

Ports
- 6 10/100/1000BASE-T ports
- 2 GBIC slots for media expansion

Network Interface
- 10BASE-T: RJ-45 UTP Cat. 3,4,5
- 100BASE-TX:RJ-45 UTP Cat. 5
- 1000BASE-T: RJ-45 UTP Cat. 5

Buffer Architecture
- 2Mbps per 1000Mbps port

Aggregated bandwidth
- 16Gbps

Switching Database
- 8K MAC address entries

LEDs
- System (power, RPU, Diag.)
- Port (full duplex,activity)
- Link (speed, link,disable/partition)

Weight
- 10.14 Lbs (4.6Kg)

Size
- 17.37x 11.22 x 1.69 in

Temperature
- Operating:32 – 122F
- Storage:-40 – 158 F

Humidity
- Operating 5% to 95% (non-condensing)

AC Input
- 100 to 240V ,50-60 Hz

Power Supply
- Internal,auto-ranging transformer: 100 to 240VAC,50-60 Hz Redundant DC input

Power Consumption
- 70W Max.

Heat Dissipation
- 239 BTU/hr

Maximum Current
- 0.5A @ 110VAC,0.7 A @ 240VAC

MTBF
- 6 years (estimated)

Switch Features
- Spanning Tree Protocol
- Forwarding Mode
- Store-and-forward
- Flow Control
- Full Duplex:IEEE802.3x
- Half Duplex:back pressure
- VLAN Support
- Up to 256 groups; port-based or with 802.1Q
- VLAN tagging, GVRP for automatic

- VLAN learning (future support)
- Quality of Service
- Supports two levels of priority and weighted fair queueing
- Broadcast storm control
- Link Aggregation
- Port Mirroring

Management Features
- In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RS-232 DB-9 console port
- Software Loading
- TFTP in-band or Xmodem out-of-band
- MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 1643), RMON MIB (RFC 1757),SMC's private MIB
- RMON Support
- Groups 1,2,3,9 (Statistics, History, Alarm, Event)

Standards
- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet,
- IEEE802.1D Spanning Tree Protocol and traffic priorities,
- IEEE802.1Q VLAN
- IEEE802.1P priority tags
- IEEE802.3x full-duplex flow control
- IEEE802.3z Gigabit Ethernet
- IEEE802.3ab Gigabit Ethernet
- SNMP (RFC 1157),RMON (RFC 1757), ARP (RFC826),IGMP (RFC 1112),MIB II (RFC 1213), Ethernet-like MIB (RFC 1643), Bridge MIB (RFC 1493)

Compliances
- CE Mark
- Emissions
  FCC Class A
  Industry Canada Class A
  EN55022 (CISPR 22) Class A
  VCCI A
  C-Tick – AS/NZS 3548 (1995) Class A • Immunity
- IEC 1000 – 4 –2/3/4/6
- Safety
  CSA/NRTL (CSA22.2.2950 & UL 1950),EN60950 (TUV/GS)

Warranty
- Limited Lifetime

Product	Description
SMC8606T	6-Port Gigabit 10/100/1000 Managed Switch with GBIC's Uplinks
SMCBGSSCX1	1-Port multi-mode 1000BASE-SX 850nm GBIC transceiver
SMCBGLSCX1	1-Port single-mode 1000BASE-LX 1310nm GBIC transceiver
SMCRPU150W	Redundant Power Supply