

# TigerSwitch™ 1000 SMC8606T

## Data Sheet



### SMC8606T 6-Port Gigabit 10/100/1000 Managed Standalone L2 Switch

#### Fiber Managed switch with optional Gigabit Uplinks

The TigerSwitch 1000 makes gigabit affordable by providing 6 Auto-MDIX 10/100/1000 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. With SNMP, ROM and a full-featured Web based management, the TigerSwitch 1000 is further backed by SMC's award winning free technical support. All SMC products are backed by a limited lifetime warranty.

### Features and Benefits

#### High Performance & Functionality

- Easy migration- 6 10/100/1000 ports  
Convenient Expansion – Each unit comes with 2 slots for GBICs for Gigabit Fiber connections and network expansion
- QoS expedites critical data via prioritising 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

#### Flexible System Management

- 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)

| Product          | Model No.  | Description   |
|------------------|------------|---|
| TigerSwitch 1000 | SMC8606T   | 6-Port Gigabit 10/100/1000 Managed Switch with GBIC's Uplinks |
|                  | SMCBGSSCX1 | 1-Port 1000BASE-SX Gigabit Interface Converter (GBIC)         |
|                  | SMCBGLSCX1 | 1-Port 1000BASE-LX Gigabit Interface Converter (GBIC)         |
|                  | SMCRPU150W | Redundant Power Supply  |

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## Specifications

### Physical Characteristics

#### 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

#### Aggregate bandwidth

- 16Gbps

#### Switching Database

- 12K MAC address entries

#### LEDs

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

#### Weight

- 4.6Kg

#### Size

- 44.12x 28.5 x 4.29mm

#### Temperature

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

#### Humidity

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

#### 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 Conformance

##### 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)

### www.smc.com

**SMC Networks Europe  
Head Office**  
Edificio Conata II  
Fructuós Gelabert 6-8 2<sup>o</sup>, 4<sup>o</sup>  
08970 - Sant Joan Despí  
Barcelona  
Spain  
Telephone  
+34 93 477 4920  
Facsimile  
+34 93 477 3774

**SMC Networks  
Spain**  
Calle Josefa Valcarcel, 8  
28027 - Madrid  
Spain  
Telephone  
+34 91 320 2884  
Facsimile  
+34 91 320 8438

**SMC Networks  
Northern Europe  
Nordic**  
Ground Floor, Exa House  
Alexandra Court  
Denmark Street  
Wokingham  
Berkshire, RG40 2SL  
United Kingdom  
Telephone  
+44 (0)118 974 8700  
Facsimile  
+44 (0)118 974 8701

**SMC Networks  
Nordic**  
Vallingbyplan 26, 2 tr  
SE-162 65 Vallingby  
Sweden  
Telephone  
+46 (0) 8 687 0700  
Facsimile  
+46 (0) 8 87 62 62

**SMC Networks  
South Africa**  
Zonneblom Building  
16th Road  
Constantia Square  
Midrand  
South Africa  
Telephone  
+27 (0) 83 292 40 43  
Facsimile  
+27 (0) 11 805 80 60

**SMC Networks  
Southern Europe**  
2 - 8 rue des Bourets  
92150 Suresnes  
France  
Telephone  
+33 (0) 1 41 38 32 32  
Facsimile  
+33 (0) 1 41 38 01 58

**SMC Networks  
Central Europe**  
Freischützstr. 81  
D-81927 Munich  
Germany  
Telephone  
+49 (0) 89 92861-0  
Facsimile  
+49 (0) 89 92861-230