

Switches/Hubs

TigerStack™ 100

Layer 2 Stackable 24-Port Fiber Managed Switch with
Optional Gigabit Uplinks

Model Number: SMC6924MT



The TigerStack 100 is capable of delivering the power and speed your network needs, with the quality you've come to expect from SMC. Available in 24 100BASE-FX MMF MT-RJ ports, each unit contains 2 expansion slots that can be used for Gigabit, 100Mbps Fiber, or SMC's innovative stacking module. This inexpensive module allows you to 'Stack-As-You-Go', creating a stack of up to 4 switches.

Advanced features like Quality of Service, VLAN support, MultiLink Trunking and Broadcast Control provide maximum performance benefits while maintaining security and reducing network problems. Spanning Tree support, redundant management and optional redundant power provide network resiliency and lower the total cost of ownership. SNMP, RMON and a full-featured Web based interface provide the means to monitor network status and performance levels. The TigerStack 100 is further backed by a comprehensive limited lifetime warranty and SMC's award-winning free technical support.

Overview

Advanced Features

- Stack-As-You-Go – Innovative stacking module saves money by allowing you to stack as you expand.
- High Port Density – Stack up to 4 units for a total of 96 10/100 ports
- Convenient Expansion – Each unit comes with 2 slots supporting Gigabit, 100Mbps Fiber SC/ST or Stacking Modules.
- 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 userdefined threshold to limit broadcast traffic

Benefits

- EliteView, SMC's full-features, Windows-based SNMP management software, included free
- Manage and configure the TigerSwitch 100 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

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 802.3ac 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)

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SPECIFICATIONS

SMC6924MT

Ports

- 24 100BASE-FX MT-RJ MMF ports
- 2 slots for expansion modules

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
- 100BASE-FX: MT-45/SC/ST connector
- 1000BASE-SX: SC connector
- 1000BASE-LX: SC connector

Buffer Architecture

- 32Kbps per 100Mbps
- 2Mbps per 1000Mbps port

Aggregated Bandwidth

- 8.8 Gbps, non-blocking

Switching Database

- 8K MAC address entries

LEDs

- System: (power, RPU, Mgmt.)
- Port: (mode flow control, full duplex, activity)
- Link: (speed, link, disable/partition)

Weight

- 10.63 lbs (4.82 Kg.)

Size

- 17.37" x 1.22" x 2.53"

Temperature

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

Humidity

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

AC Input

- 100 to 240V , 47-63 Hz

Power Supply

- Internal, auto-ranging transformer: 100 to 240VAC, 47-63 Hz
- Redundant DC input

Power Consumption

- <70W

Maximum Current

- SMC6924MT: 0.80A @ 110VAC, 0.50A @ 240VAC

MTBF

- 6 years (estimated)

Switch Features

- Spanning Tree Protocol

Forwarding Mode

- Store-and-forward

Flow Control

- Full-duplex: IEEE 802.3x
- Half-duplex: back pressure

VLAN Support

- Up to 256 groups, port-based or with 802.1Q VLAN tagging, GVRP for automatic VLAN learning

Quality of Service

- Supports two levels of priority and weighted Fair Queuing
- Broadcast Storm Control
- MultiLink Trunking
- 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), Bridge MIB (RFC 1493)
- Ethernet-like MIB (RFC 1643), RMON MIB (RFC 1757), SMC proprietary MIB

RMON Support

- Groups 1, 2, 3, 9 (Statistics, History, Alarm, Event)

Standards

- 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 802.3ac VLAN Tagging
- IEEE 802.3x Full-duplex flow control;

ISO 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)

Compliances

- CE Mark
- Emissions
 - FCC Class A
 - Industry Canada Class A
 - EN55022 (CISPR 22) Class A
 - VCCI Class A
 - C-Tick – AS/NZS 3548 (1995) Class A
- Immunity
 - IEC 1000 – 4 – 2/3//4/6
- Safety
 - CSA/NRTL (CSA22.2.950 & UL 1950), EN60950 (TUV/GS)

Warranty

- Limited lifetime

Slide-In Modules

- 100Base-FX Extender Module

Models

- SMC6900FSC, SMC6900FST
- SMC6900FSSC

Ports

- 2 – 100Base-FX MMF or
- 1 – 100Base-FX SMF

Model

- SMC6900G
- SMC6900GLSC

Ports

- (1) 1000Base-SX
- (1) 1000Base-LX

Model

- SMC6900GT

Ports

- (1) 10/100/1000Base-T

Model

- SMC6900GT

Function

- Redundant DC-Power Unit with cables; supports one device

Product	Description
SMC6924MT	Stackable 24-Port Managed MT-RJ MMF switch with optional Gigabit Uplinks (at least one SMC6924MTNMM is required for each standalone or stack)
SMC6924MTNMM	TigerStack 100 Switch Management Module
SMC6900S	TigerSwitch 10/100 Stacking Module with stacking cable
SMC6900G	TigerSwitch 10/100 1-port 1000BASE-SX Expansion Module
SMC6900GLSC	TigerSwitch 10/100 1-port 1000BASE-LX Expansion Module
SMC6900GT	TigerSwitch 10/100 1-port 10/100/1000BASE-T Expansion Module
SMC6900FSC	TigerSwitch 10/100 2-Port 100Base-FX MMF SC Fiber Module
SMC6900FSSC	TigerSwitch 10/100 1-Port 100Base-FX SMF SC fiber Module
SMC6900FST	TigerSwitch 10/100 100Base-FX MMF SC Fiber Module with SC-ST converters
SMCRPU150W	Redundant Power Supply