



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SMC 6924M. You'll find the answers to all your questions on the SMC 6924M in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SMC 6924M
User guide SMC 6924M
Operating instructions SMC 6924M
Instructions for use SMC 6924M
Instruction manual SMC 6924M

TigerSwitch 10/100/1000

Standard Fast Ethernet Switch
100BASE-TX, FX, 1000BASE-SX Ports



From SMC's Tiger line of feature-rich workgroup LAN solutions

SMC's TigerSwitch™ 10/100/1000, SMC6924M/24M, is a new-generation switch with a hefty 4 Gbps backplane that supports stacking up to four units. It includes 12/24 fixed auto-negotiating 100BASE-T/100BASE-TX ports on the front panel, and three slots on the rear panel for optional modules. These include dual-port 100BASE-FX or single-port 1000BASE-SX media modules (allowing up to two FX or SX modules on a stand-alone unit), a stacking module, and a management module. With a host of advanced features and comprehensive management capabilities, the TigerSwitch stack provides a potent solution for your network backbone. This TigerSwitch also comes fully loaded with advanced performance-enhancing features. Port-based and tagged VLANs, plus support for automatic QVRP VLAN registration provide traffic security and efficient use of network bandwidth. QoS priority queuing ensures the minimum delay for real-time multimedia data across the network. Flow control eliminates the loss of packets due to backlogs, caused by port saturation. And broadcast storm control prevents broadcast traffic storms from crippling the network.

The switch's integrated SNMP management agent supports 4-group RMON with in-band out-of-band management. What's more, the Web-based interface allows the TigerSwitch to be managed any time, from anywhere, removing the limitations and costs associated with a fixed management station.

Features and Benefits

Outstanding Performance

- 12/24 auto-negotiating 100BASE-TX ports
- 4 Gbps throughput bandwidth
- 4 Gbps backplane for stack
- Store and forward switching maintains a clean data stream, minimizing packet loss
- Switching database built up to 12K MAC addresses
- QoS support for best-of-class, weighted fair queuing
- HAF and full duplex flow control eliminates lost packets due to port saturation
- Broadcast storm control prevents broadcast traffic storms from crippling the network

Flexible

- Optional 100BASE-FX or 1000BASE-SX modules, stack modules, and agent module
- VLANs based on Span-Edge ports for maximum security and bandwidth efficiency
- VRRP support for primary backup and automatic group migration (CVRP)
- IGMP (Advanced Skinny control plane)
- Up to three port stacks per switch
- Port mirroring for network analysis
- Rack-mountable (standard 19" rack)

Manageable

- SNMP management agent for switch configuration access and/or monitoring
- In-band access via telnet or any other SNMP management application, or Web
- Out-of-band access via Telnet or port
- Self-heal to avoid port
- One agent module manages the whole stack, other modules use an backup
- 4-group RMON (Data Collection Agent)
- Spanning Tree Protocol allows the creation of redundant data paths

Compatible

- IEEE 802.3, 802.3u, 802.3x, 802.1q, 802.1p, 802.1x, 802.1y, 802.3z
- IEEE 802.3ab

Reliability

- Three-year warranty
- Free pre-and post-purchase technical support



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Manual abstract:

These include dual-port 100BASE-FX or single-port 1000BASE-SX media modules (allowing up to two FX or SX modules on a stand-alone unit), a stacking module, and a management module. With a host of advanced features and comprehensive management capabilities, the TigerSwitch stack provides a potent solution for your network backbone. @@@@What's more, the Web-based interface allows the TigerSwitch to be managed any time from anywhere, removing the limitations and costs associated with a fixed management station. Features and Benefits Outstanding Performance q q q Manageable q 12/24 auto-sensing 100BASE-TX ports 4.4 Gbps of aggregate bandwidth 4 Gbps backplane for stack Store-and-forward switching maintains a clean data stream, minimizing packet loss Web management agent for switch configuration access anytime, anywhere In-band access via EliteView or any other SNMP management application, or Telnet Out-of-band via RS-232 console port SLIP access to console port One agent module manages the whole stack, other modules serve as backup 4-group RMON (Statistics,History,Alarm,Event) Spanning Tree Protocol allows the creation of redundant data paths q q q q Switching database holds up to 12K MAC addresses QoS support for two levels of priority, with weighted fair queuing Half- and full-duplex flow control eliminates lost packets due to port saturation Broadcast storm control prevents broadcast traffic storms from engulfing the network q q q q Compatible q Flexible q IEEE 802.3, 802.3u, 802.3z, 802.3x, 802.1d, 802.

1Q, 802.1ac, 802.1p, ISO/IEC 8802-3 Three-year warranty Free pre and post purchase technical support Optional 100BASE-FX or 1000BASE-SX modules, stack module, and agent module q q VLANs based on frame tags or ports for maximum security and bandwidth efficiency VLAN support for priority tagging and automatic group registration (GVRP) IGMP Multicast Filtering (next phase) Up to three port trunks per switch Port mirroring for non-intrusive analysis Rack-mountable (standard 19" rack) Reliability q q q q q TigerSwitch 10/100/1000 Stackable Fast Ethernet Switch 100BASE-TX/FX, 1000BASE-SX Ports SMC Offices Europe For information, call or fax: SMC - Networks Ltd Pyramid House Easthampstead Road Bracknell Berkshire RG12 1NS United Kingdom Tel: +44 (0)1344 418820 Fax: +44 (0)1344 418826 SMC - Europe Edificio Conata II 0 a Fructuos Gelabert 6-8 2 , 4 08970 - Sant Joan Despi Barcelona Spain Tel: +34 93 477 4920 Fax: +34 93 477 3774 SMC - Networks GmbH Freischützstr, 81, D-81927 Munich Germany Tel: +49 (0) 89 92861-0 Fax: +49 (0) 89 92861-230 Support Hotline Germany: 0800 9432000 Other Countries: +49 (0) 89 92861-130 SMC - Southern Europe 2-8 rue des Bourets 92150 Suresnes France Tel: +33 (0) 1 41 38 32 32 Fax: +33 (0) 1 41 38 01 58 SMC - Nordic Vallingbyplan 26, 2 tr, SE-162 65 Vallingby, Sweden Tel: +46 (0) 8 564 33 145 Fax: +46 (0) 8 87 62 62 SMC - South Africa 14 Blouvalk Ave Terenure Park, 1619 South Africa Tel: +27 (0) 11 39 36 491 Fax: +27 (0) 11 39 36 491 World Wide Web <http://www.smc-europe.com/> Features and Benefits Ports q q Humidity q 12/24 10BASE-T/100BASE-TX 2 slots for optional dual-port 100BASE-FX or single port 1000BASE-SX modules, or a stacking module 5% to 95% (non-condensing) Universal AC input; 100 to 240 VAC, 50/60 Hz 80 Watts 273 BTU/hr SMC6912M: 0.

58A@110VAC, 0.37A@240VAC SMC6924M: 0.80A@110VAC, 0.50A@240VAC IEEE 802.3 Ethernet IEEE 802.

3u Fast Ethernet 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) MIB II (RFC 1213) Ethernet-Like MIB (RFC 1643) Bridge MIB (RFC 1493) CE Mark Emissions q q q q q Power Supply q Network Interface q Power Consumption q 10BASE-T q RJ-45 (UTP cable; Categories 3, 4, 5) RJ-45 (UTP cable; Category 5) Heat Dissipation q q 100BASE-TX q Maximum Current q q q q 100BASE-FX * 1000BASE-SX * q q * SC connector (multimode fiber cable; 62.5/125 or 50/125 microns) Standards q q q q q q q q q q Stack Interface q q q Connects up to 4 units (with resilient link) 2 Gbps, full duplex, uplink/downlink ports 4 Gbps backplane bandwidth (for stack) 126 Kbytes per 10/100 Mbps ports 2 Mbyte per 1000 Mbps ports Store-and-forward 4.4 Gbps 12K MAC address entries Web-based, SNMP and Telnet RS-232 Console port Up to 16 groups Port-based or 802.1Q VLAN tagging GVRP for dynamic VLAN registration Buffer Architecture q q Forwarding Mode q Aggregate Bandwidth q Switching Database q EMC/Safety Compliances q q In-Band Management q FCC Class A Industry Canada Class A EN55022 (CISPR 22) Class A VCCI Class A C-Tick - AS/NZS 3548 (1995) Class A IEC 1000-4-2/3/4/6 CSA/NRTL (CSA 22.2.

950 & UL 1950) TUV/GS EN60950, CB Report Out-of-Band Management q VLAN Support q q q q Immunity q Size q q Safety q q 17.37 x 11.22 x 2.53 in (44.0 x 28.5 x 6.4 cm) SMC6912M: 16.42 lbs (7.45 kg) SMC6924M: 16.57 lbs (7.

52 kg) Operating: 32 to 122°F (0 to 50°C) Storage: -40 to 158°F (-40 to 70°C) Weight (without modules) q q q Warranty Three years Temperature q q Product TigerSwitch 10/100/1000 TigerSwitch 10/100/1000 Optional Slide-in Module Optional Slide-in Module Optional Slide-in Module* *SC-ST Converter Redundant Power Unit EliteView Network Management Order No. SMC6912M SMC6924M SMC6900FSC SMC6900FST SMC6900G 115511-005 SMCRPU125W Description 12-port Fast Ethernet switch with two expansion slots 24-port Fast Ethernet switch with two expansion slots Two 100BASE-FX ports with SC connectors SMC6900FSC with SC-ST Converter Single 1000BASE-SX port with SC connector SC to ST plug converter for fiber optic module Redundant Power Unit with cables, supports one device Software Free Windows-based network management software SMC is a registered trademark; and EZ Card and SuperDisk are trademarks of SMC Networks, Inc. @@@ Copyright 1999 SMC Networks, Inc. .



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