

Switches/Hubs

TigerStack™ II 10/100

24-Port 10/100 Mbps Stackable Managed
Layer 2 Switch

Model Number: SMC6624M



November 27, 2001
SMC TigerStack II 6624M
SMC Networks



SMC's SMC6624M is a new generation of high performance switch that has a non-blocking switch fabric of 9.6Gbps. With 24 fixed auto-MDIX 10/100 ports and two slots in the front panel for optional modules, it can be expanded up to 26 ports per switch, with a mix and match of 100BASE-FX or 1000BASE-X modules. The TigerSwitch 10/100 can be stacked up to 16 units high with the stacking kit, so that up to 386 ports can be managed under single IP address. The TigerStack II comes with features, including port or protocol based and tagged VLANs, plus support for automatic GVRP VLAN registration provides traffic security and efficient use of network bandwidth. QoS priority queuing ensures the minimum delay for real-time multimedia data across the network. IGMP and IGMP snooping is also onboard to prevent flooding of IP multicast traffic,

with LACP to facilitate linking aggregation. Port security is also included, which keeps the network tamper free from unauthorized users, and RMON traps to alert the presence of intruders in system.

The TigerStack II is further backed by a comprehensive limited lifetime warranty and SMC's free 24/7 technical support. With powerful switching performance and advance network management features, the SMC6624M is the ideal solution for today's networking needs.

Overview

Features

- High-port density with gigabit and 100BASE-FX options.
- Full wire-speed switching performance
- Stackable up to 16 units
- Priority queuing
- VLAN with GVRP
- IGMP snooping
- LACP for link aggregation
- Port mirroring
- Port and system security
- SNMP, RMON, spanning tree algorithm

Benefits

- Supports up to 24 auto-MDIX 10/100 ports, 2 1000Mbps or 100BASE-FX ports – ultimate solution for future expansion
- Non-blocking 9.6Gbps switch fabric for maximum switching performance
- Two levels of priority, with weighted fair queuing, ensures smooth transmission of vital data
- Supports VLANs based on tags, ports, or protocol, plus support for automatic GVRP LAN registration for maximum security and bandwidth efficiency.
- IGMP allows multicast traffic transmission to registered users only.
- Port trunking group links between switches, increases bandwidth for dedicated link
- Port mirroring allows sniffer tracking data transmission for easy troubleshooting

Compatibility

- IEEE802.3
- IEEE802.3u
- IEEE802.3z
- IEEE802.1d
- IEEE802.1p
- IEEE802.1Q
- IEEE802.3ad
- IEEE802.3x

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24-Port 10/100 Mbps Stackable Managed Layer 2 Switch

Switches/Hubs

SPECIFICATIONS

SMC6624M

Ports

- 24 Auto-MDIX 10BASE-T/100BASE-TX RJ-45 ports
- 2 slots for expansion modules
- Built-in Network Management

Network Interface

- 10BASE-T: RJ-45 UTP CAT. 3,4,5
- 100BASE-TX: RJ-45 UTP Cat. 5
- 100BASE-FX: SC/ST connector
- 1000BASE-SX: SC connector
- 1000BASE-LX: SC connector
- 1000BASE-T: RJ-45 connector
- Multimode fiber cable: 62.5/125 or 50/125 microns
- Singlemode fiber cable: 9/125 micron

Stack Interface

- 1Gbps, full duplex

Switch fabric

- 9.6Gbps

Buffer Architecture

- 6Mb shared

Switching Database

- 4K MAC address entries

LED

- System: Power, Fault, Self Test
- Activity
- Link
- Fan Status
- Reset
- Clear

Weight

- 6.0Lb
- 2.7 Kg

Size

- 17.4 x 8.0 x 1.8 in

Temperature

- Operating: 0 °C to 55 °C (32 °F to 131 °F)
- relative humidity: 15 to 95% @ 40 °C (104 °F), noncondensing
- Storage: -40 °C to 70 °C (-40 °F to 158 °F)
- relative humidity: 90% @ 65 °C (149 °F), noncondensing

Humidity

- Operating: 5% to 95%

AC Input

- 100 to 240V, 50 to 60 Hz

Power Supply

- Internal, auto-ranging transformer: 100 to 240VAC, 50 to 60 Hz

Power Consumption

- 36W

Heat Dissipation

- 123 BTU/hr

Maximum Current

- voltage: 100-127 VAC/200-240 VAC
- current: 2.4 A max/1.2 A max

MTBF

- 8 years

Switch Features

- Spanning Tree Protocol
- Forwarding Mode
- Store-and-forward
- VLAN Support
- Up to 30 groups: port-based or with 802.1Q
- VLAN tagging, GVRP for automatic VLAN learning

Quality of Service

- Supports two levels of priority
- MultiLink Trunking (LACP)
- 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
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.1ad Link aggregation control protocol
- IEEE802.3x Flow Control
- IEEE802.3z Gigabit Ethernet ISO
- IEC8802.3 SNMP (RFC 1157), RMON (RFC 1757), ARP (RFC826), IEGMP (RFC1157), IGMP (RFC1112), MIB II (RFC 1213), Ethernet-like MIB (RFC1643), 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
- UL
- CSA/NRTL (CSA22.2.2.950 & UL 1950)
- En60950 (TUV/GS)

Warranty

- Limited lifetime

Slide-In Modules

100Base-FX Extender Module

Model

- SMC6624FMSC

Ports

- 1- 100Base-FX

Network Interface

- SC connector, 50/125 or 62.5/125 micron multimode fiber cable

Models

- SMC6624GSSC
- SMC6624GLSC
- SMC6624GT

Ports

- (1) 1000Base-SX
- (1) 1000Base-LX
- (1) 100/1000BASE-T auto-MDIX

Network Interface

- SC connector, 50/125 or 62.5/125 micron multimode fiber cable
- SC connector, 9/125 micron fiber cable
- RJ-45 connector, UTP Cat.5 cable

Product	Description
SMC6624M	Stackable 24-port 10/100 auto-MDIX managed switch with 2 slots for media expansion
SMC6624GT	1-port 100/1000 module for SMC6624M
SMC6624GSSC	1-port 1000Base-SX SC module for SMC6624M
SMC6624GLSC	1-port 1000Base-LX SC module for SMC6624M
SMC6624FMSC	1-port 100Base-FX SC MMF module for SMC6624M
SMC6624FMST	1-port 100Base-FX SC MMF module with SC-ST converter for SMC6624M