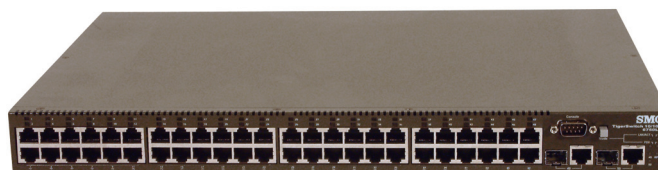


Switches/Hubs

TigerSwitch™ 10/100

Standalone 48-port 10/100+ 2 Gigabit Managed Switch

Model Number: SMC6750L2



SMC's SMC6750L2 is a new generation of high performance switch that has a non-blocking switch fabric of 19.2Gbps. With a small footprint of 1RU high, TigerSwitch 10/100 carries 50 fixed auto-MDIX ports and two combo gigabit ports. The 2 combo gigabit ports include 2 fixed-in gigabit copper 10/100/1000 ports, but will be disabled if mini-GBIC ports for fiber gigabit are utilized. With an aggregated bandwidth of up to 13.6Gbps, this non-blocking high-density switch is fully packed with Layer 2 switching features such as RADIUS, link aggregation LACP, QoS, VLANs with GVRP,

IGMP Snooping and priority queuing. To address administrators' security concerns, future software support such as MAC address Filters and TACACS+ will be implemented.

SMC6750L2 is ideal for medium to large network looking to strengthen its network backbone connection.

Overview

Features

- High-Port Density in a 1RU Footprint
- Full Wire-Speed Non-Blocking switching performance
- Priority Queuing with Weighted Round Robin (WRR)*
- VLAN with GVRP
- IGMP and DiffServ
- LACP for Link Aggregation
- Port Mirroring
- Port and System Security
- SNMP, RMON, Spanning Tree Algorithm

Benefits

- Supports up to 48 auto-MDIX 10/100 ports, 2 auto-MDIX 10/100/1000 ports, and optional 2 mini-GBIC slots for optional gigabit fiber plug-in –
- Non-blocking 19.2Gbps switch fabric for maximum switching performance
- Four levels of priority, with weighted fair queuing, ensures smooth transmission of vital data
- Supports VLANs based on tags, ports plus support for automatic GVRP LAN registration and DiffServ* 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
- IEEE802.1x
- IEEE802.1w (future release)

TigerSwitch™ 10/100

Standalone 48-port 10/100+ 2 Gigabit Managed Switch

Switches/Hubs

SPECIFICATIONS

SMC6750L2

Ports

- 48 Auto-MDIX 10BASE-T/100BASE-TX RJ-45 ports
- 2 combo ports: 2 10/100/1000 fixed-in ports or 2 mini-GBIC
- Built-in Network Management

Network Interface

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

Buffer Size

- 64Mb

LED

- System: Power, RPS
- Port: Mode 1 (Speed, Activity) Mode 2 (duplex)

Diagnostics

Weight

- 6.0Lb
- 2.7 Kg

Size

- 17.37" X 12.7" X 1.7" (440mm X 324mm X 43mm)

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), non-condensing

Humidity

- Operating: 5% to 95%

AC Input

- 100 to 240V, 47Hz to 63Hz

Power Supply

- Internal, auto-ranging transformer: to 240VAC, 47Hz to 63Hz

Power Consumption

- 48W

Heat Dissipation

- 123 BTU/hr

Maximum Current

- voltage: 100-127 VAC/200-240 VAC
- current: 5 A max

MTBF

- 6 years

Switch Features

- Spanning Tree Protocol
- Forwarding Mode
- Store-and-forward

VLAN Support

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

Class of Service

- Supports four 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, IEEE802.3z Gigabit 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
- IEEE802.1w Fast Spanning Tree*

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

Model

- SMCBGSXCX1
- SMCBGLXCX1

Ports

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

Network Interface

- LC connector, 50/125 or 62.5/125 micron multimode fiber cable
- LC connector, 9/125 micron fiber cable

Standards

- 802.3z Gigabit Ethernet

Transmission

- Full Duplex

Optional Budget

- 9DB

Range

- Multimode
- Range: 220m for 62.5/125m, 850nm
- Range: 550m for 50/125m, 850nm
- Single Mode
- Range: 5km for 9/125m, 1310nm

Product	Description
SMC6750L2	Standalone L2 48 10/100 + 2 1000Mbps port auto-MDIX managed switch with 2 mini-GBIC ports for uplinks
SMCBGSXCX1	1000BASE-SX LC SFP Mini-GBIC Transceiver
SMCBGLXCX1	1000BASE-LX LC SFP Mini-GBIC Transceiver
SMCRPS600W	Redundant DC-Power Supply

*Please ask your SMC sales representative for availability