

SMC8024L2
TigerSwitch 10/100/1000 Standalone 24 10/100/1000
Managed Layer 2 switch including 4 Combo (RJ45/SFP) ports



OVERVIEW

The TigerSwitch 10/100/1000 is the first in a new generation of market leading switches to bring you a 24-port gigabit switch in a 1RU footprint with the right features for your SMB network. The SMC8024L2's 24 auto-MDIX 10/100/1000 ports provide a feature-rich platform for bandwidth-starved networks. The inclusion of 4 Combo ports (RJ-45/SFP) enable that extra flexibility for use today or future expansion of your network.

The SMC8024L2 delivers wire-speed switching performance in a robust 48Gbps switch fabric, with features such as QoS

priority queuing with classification and prioritization at Layer2/Layer 4. Also included are management features such as VLANs with 802.1Q, Spanning Tree, LACP and IGMP for today's multimedia applications. Security is key and the SMC8024L2 provides flexible security features such as, 802.1x, RADIUS, ACL's, MAC based port security. This switch enables networks of all sizes to introduce gigabit Ethernet with management features targeted to meet the needs of the SMB network.

FEATURES	BENEFITS
Standalone managed switch in a small footprint	Supports 24 10/100/1000Mbps ports including 4 Combo (SFP/RJ-45) in a 1 RU chassis
QoS	Support four levels of priority, with weighted fair queuing and L2/3/4 IP precedence--ensures smooth transmission of mission critical data
VLAN with advanced QinQ support	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration spanning tree per VLAN--provides maximum security and bandwidth efficiency
IGMP Snooping	Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings--reduce IP multicast traffic and increase LAN performance
MultiLink Trunking with LACP	Can group links between switches to provide higher bandwidth of up to 16Gbps
Comprehensive network security	Currently supports RADIUS, IEEE802.1x, MAC based port security, ACL

TECHNICAL SPECIFICATIONS

SMC8024L2

PORTS

- 24 10/100/1000BASE-T ports
- 4 Combo SFP ports

NETWORK INTERFACE

- 10/100/1000 BASE-T ports
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Singlemode fiber cable: 9/125 micron

SWITCHING FABRIC

- 48Gbps
- 35.7Mpps

BUFFER ARCHITECTURE

- 0.4Mbytes

SWITCHING DATABASE

- 8K MAC address entries

LED

- System: Power
- Port: Link/Activity, 1000Mbps

WEIGHT

- 3.72Kg (8.44lbs)

DIMENSIONS

- 33.0 x 20.0 x 4.4cm (13.0 x 7.9 x 1.7 in)

TEMPERATURE

- Operating: 0 to 40oC (32 to 104 oF)
- Storage : -40 to 70oC (-40 to 158oF)

HUMIDITY

- Operating: 10% to 90% (non-condensing)

AC INPUT

- 100 to 240 V, 50-60 Hz, 0.4A

POWER SUPPLY

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

POWER CONSUMPTION

- 28 Watts

MAXIMUM CURRENT

- 0.25 A @ 115 VAC
- 0.12 A @ 230 VAC

MTBF

- 8 Years

SWITCH FEATURES

- LACP 802.3ad
- VLANs (up to 256)
- (QinQ support)
- Spanning Tree (802.1D, 802.1w)
- Broadcast Storm Control
- Flow Control
- IGMP Snooping (v1,v2)
- Jumbo Frame (up to 9K)
- ACL's
- 802.1x
- RADIUS
- Static Port Security
- Port Mirroring

QUALITY OF SERVICE

- Supports 4 levels of priority with flexible classification and prioritization
- Per port bandwidth management

MANAGEMENT FEATURES

- HTTP
- SNMP (v1,v2c)
- Out-of-Band Management
- RS-232 Console port
- Software upgrade
- Configuration Download/Upload
- Group 1 (Statistics)

STANDARDS

- IEEE 802.3-2002
- Ethernet, Fast Ethernet, Gigabit Ethernet
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1Q Virtual LAN
- IEEE 802.1X, Port-Based Network Access Control

ISO

IEC8802.3

CE MARK

EMISSIONS

- FCC Class A
- VCCI Class A

IMMUNITY

- EN 61000-4-2/3/4/5/6/8/11

SAFETY

- CSA/NRTL (UL60950, CSA 22.2. NO 60950-1)
- TÜV/GS (EN60950-1)
- CB (IEC60950-1)

WARRANTY

- Limited lifetime

SMC1GSFP-SX

- 1G SX SFP Transceiver, 550M, Multimode fiber

SMC1GSFP-LX

- 1G LX SFP Transceiver, 10Km, Singlemode fiber

SMCBGZLCX1

- 1G LH SFP Transceiver, 70Km Singlemode fiber

Contact

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