



SMC8024L2

TigerSwitch™ 10/100/1000

Standalone 24-port Managed Layer 2 switch including 4 Combo (RJ45/SFP) ports

OVERVIEW

The TigerSwitch™ 10/100/1000 is one market leading switch bring 1-9 you a 24-port gigabit switch in a 1U 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.

KEY FEATURES

Standalone managed switch in a small footprint

Supports 24 10/100/1000Mbps ports including 4 Combo (SFP/RJ-45) in a 1 U chassis

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

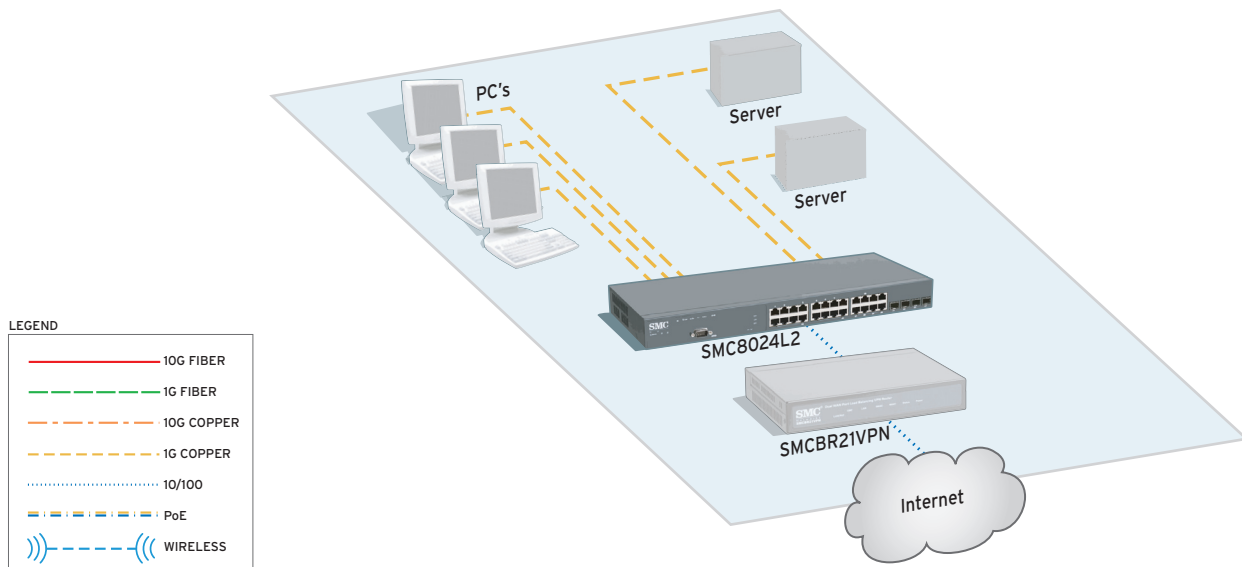
QoS

Support four levels of priority, with weighted fair queuing and L2/3/4 IP precedence-ensures smooth transmission of mission critical data

IGMP Snooping

Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings-reduce IP multicast traffic and increase LAN performance

APPLICATION DIAGRAM



TECH SPECS - 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

- 44.0 x 17.3 x 4.4 cm
- 17.3 x 6.8 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
- IEEE 802.1u Rapid Spanning Tree Protocol

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

- Please check www.smc.com for the warranty terms in your country/region

SMCIGSFP-SX

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

SMCIGSFP-LX

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

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