

Managed Switch

SMC8124PL2
TigerSwitch 10/100/1000 Standalone 24-port 10/100/1000 Managed Layer 2 Switch with PoE including 2 x Gigabit combo ports

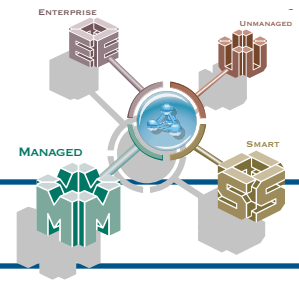


OVERVIEW

The SMC8124PL2 provides wire speed 10/100/1000 Gigabit Ethernet switching with built in PoE features specifically designed for SMB workgroup environments. By supporting 802.3af POE on all 10/100/1000 copper ports it enables easy installation of PoE devices such as IP Phones and IP Cameras. The integrated combo ports provide SFP's for where fiber is required for extended distances. An integrated part of this switch family is the IP Clustering function. The feature allows customers to group together up to 32 switches into a single logical group which can be managed using a single IP address.

The switch also boasts advanced Quality of Service features that can reduce the latency of packets through the network, with specific traffic prioritization improving the delivery of converged data such as voice and high quality video over IP. The 2 combo ports provide either 10/100/1000 or SFP ports. The PoE function allows up to 15.4W maximum per port. Overall this switch is part of flexible switch family which brings PoE and non-PoE switches to the edge of the network.

FEATURES	BENEFITS
High-gigabit port density in a small footprint	Supports 24*10/100/1000Mbps including 2 combo ports in a 1RU chassis
IEEE802.3af on all 10/100/1000 ports	Supports the IEEE Power over Ethernet standard on all 10/100/1000 ports
Supports IP Clustering	IP Clustering allows up to 32 units to be managed from a single IP address
VLAN with GVRP	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration
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 connections on both 10/100 and Gigabit
Comprehensive security support	Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL



TECHNICAL SPECIFICATIONS

SMC8124PL2

PORTS

- 24 10/100/1000BASE-T ports
- 2 SFP transceiver slots
- 1 Console port

NETWORK INTERFACE

- 10/100/1000 BASE-T ports
- SFP Transceiver slots supporting SX, LX and ZX SFP
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Singlemode fiber cable: 9/125 micron

SWITCHING FABRIC

- 48Gbps
- 35.7Mpps

BUFFER ARCHITECTURE

- 768Kbytes

SWITCHING DATABASE

- 8K MAC address entries

LED

- System: Power
- Port: Link/Act; PoE

TEMPERATURE

- Operating: 0 to 45 °C / 32 to 113 °F
- Storage: -40 to 70 °C / -40 to 158 °F

HUMIDITY

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

WEIGHT

- 4.33Kg
- 9.53lbs

DIMENSIONS

- 44x 32 x 4.3cm
- 17.3 x 12.6 x 1.7 in

AC INPUT

- 100 to 240 V, 50-60 Hz, 3A

POWER SUPPLY

- Internal, auto-ranging transformer: 100 to 240 VAC, 47 to 63Hz

POWER CONSUMPTION

- 45W (Switch)
- 180W (Power over Ethernet)

MAXIMUM CURRENT

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

POWER-OVER-ETHERNET

- Maximum output power per port: 15.4 W
- Output Voltage: 44 - 57 VDC
- Maximum output current per port: 350 mA

MTBF

- 8 Years

SWITCH FEATURES

- Spanning Tree Protocol (802.1D, .1w, 1s)
- Forwarding Mode
 - Store-and-forward
- VLAN Support
 - Up to 255 groups; port-based or with 802.1Q
 - VLAN tagging, GVRP for automatic VLAN learning
 - 802.1v (Protocol based Vlans)
 - Private vlan support
- Quality of Service
 - Supports 4 levels of priority with flexible classification and prioritization
 - Per port bandwidth management
- MultiLink Trunking (LACP)
 - 8 groups of up to 8 ports
- Port Mirroring
- IEEE 802.1x
- L2/L3/L4 access control lists
- TACACS+ client authentication
- HTTPS and SSL
- SSH for Telnet sessions
- Static port security
- Jumbo Frame support (on gigabit ports)
- Dual firmware images
- Multiple configuration files support

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 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC 1757), RFC 2737, RFC 2742, RFC 2021, RFC 2863, RFC 2618, SMC's private MIB

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
- IEEE802.1w Rapid Spanning Tree
- IEEE802.1v Protocol Based Vlans
- IEEE802.3af Power over Ethernet

RMON SUPPORT

- Groups 1,2,3, 9 (Statistics, History, Alarm, Event)

ISO

- IEC8802.3

COMPLIANCES

- CE Mark
- Emissions
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- EN 61000-3-2/3
- VCCI Class A
- Immunity
- EN 61000-4-2/3/4/5/6/8/11

SAFETY

- UL / CUL (UL 60950-1, CSA 22.2 NO60950-1)
- TUV/GS (EN60950-1)
- CB (IEC60950-1)
- CSA/CUS (CSA 22.2. NO 60950-1 & UL60950-1)

WARRANTY

- Limited lifetime

SLIDE-IN TRANSCEIVERS FOR COMBO PORTS

SMC1GSFP-SX

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

SMC1GSFP-LX

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

SMC1GSFP-ZX

- 1G LH SFP Transceiver, 70Km Singlemode fiber

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