



## SMC8126L2/SMC8150L2

TigerSwitch 10/100/1000 Standalone 26/50-port 10/100/1000 Managed Layer 2 Switches Including 4 Gigabit combo ports

### OVERVIEW

The TigerSwitch 10/100/1000 SMC8126L2/SMC8150L2 provide wire speed 10/100/1000 Gigabit Ethernet switching specially designed for SMB workgroup environments. High-speed performance combined with an advanced feature set allows an increase in throughput and flexibility for the SMB. Built around the latest in switching silicon design to provide lowest power but highest performance. The SMC8126L2/SMC8150L2 are also future proofed for growth as new software features become standardized and essential for the SMB network. As part of SMC's on-going commitment to the environment this new switch family has been designed with the latest environment standards in mind concerning manufacturing processes, packaging and recycling.

### KEY FEATURES

#### MultiLink Trunking with LACP

Including the ability to bundle together the front panel ports to provide higher performing uplinks. Trunk links can be configured manually or using the 802.3ad standard which is supported on this switch family.

#### Highest Performance and Lowest Power

As part of SMC commitment to green networking this switch family is designed around the latest generation switching silicon which can provide high performance and the low power requirements such as 38W for the SMC8126L2. Translating into approximately 1.4W per port for the 26 port and 1.3W per port for the 50 port.

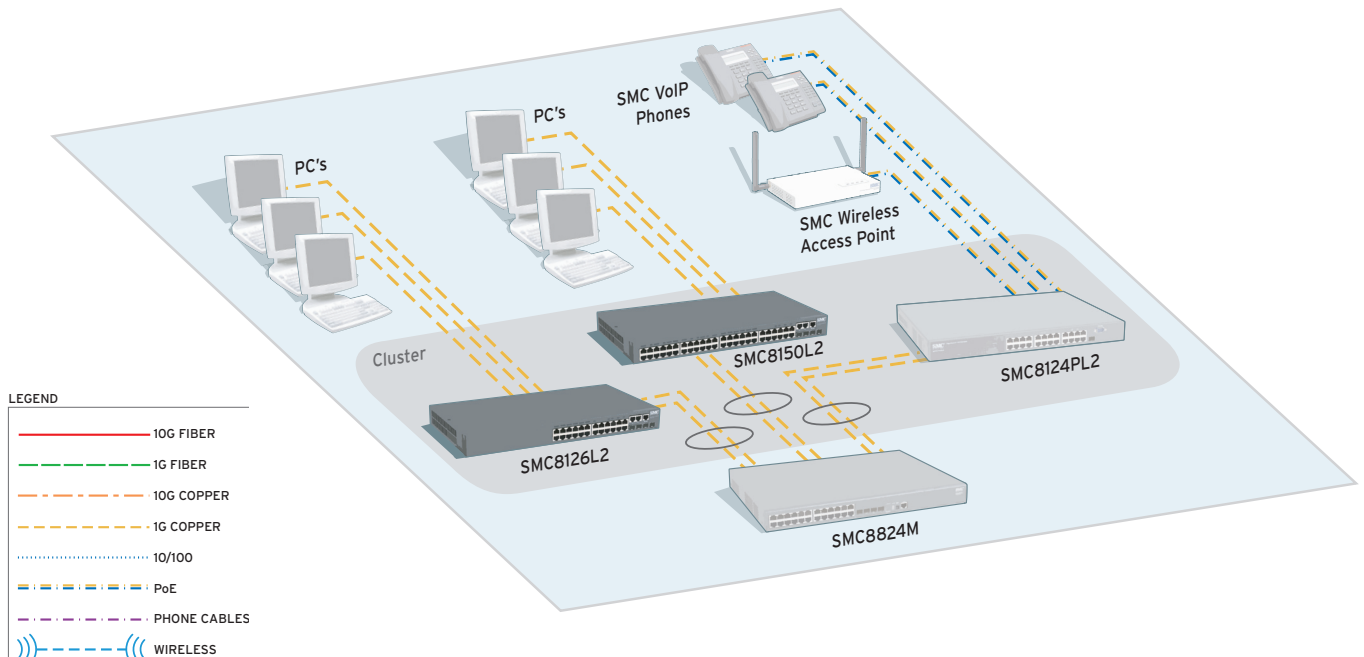
#### Flexible Security Features

Security is critical to next generation networks. This switch family includes a range of User and Device security functions which will help protect the network. Secure management interfaces for protecting device configuration and secure user access using 802.1x or Private Vlans to prevent unauthorized access.

#### IP Clustering

Ease of management is crucial and to help deliver this we have included IP Clustering. This allows users to group together up to 32 switches as part of a logical cluster. The units can be part of this switch family or from the SMC61xxL2 family giving added flexibility.

### APPLICATION DIAGRAM



SWITCHES  
VDSL  
WIRELESS  
VOIP  
STORAGE  
BROADBAND  
ADAPTERS

## TECH SPECS - SMC8126L2/SMC8150L2

### PORTS

- SMC8126L2
  - 26 10/100/1000BASE-T ports
- SMC8150L2
  - 50 10/100/1000 ports
  - 4 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

- SMC8126L2
  - 52Gbps
  - 38.7Mpps
- SMC8150L2
  - 100G
  - 74.4Mpps

### BUFFER ARCHITECTURE

- 0.5Mbytes

### SWITCHING DATABASE

- 8K MAC address entries

### LED

- System: Power, Diag Port: Link/Act
- Port: Link/Act

### TEMPERATURE

- Operating: 0 to 50 °C / 32 to 122 °F
- Storage: -40 to 70 °C / -40 to 158 °F

### HUMIDITY

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

### WEIGHT

- SMC8126L2
  - 2.87Kg / 6.32lbs
- SMC8150L2
  - 3.26Kg / 7.18lbs

### DIMENSIONS

- 44 x 23 x 4.4cm / 17.3 x 9.0 x 1.7in

### AC INPUT

- SMC8126L2
  - 100 to 240 V, 50-60 Hz, 1.5A
- SMC8150L2
  - 100 to 240 V, 50-60 Hz, 2.0A

### POWER SUPPLY

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

### POWER CONSUMPTION

- SMC8126L2
  - 38W
- SMC8150L2
  - 65W

### MAXIMUM CURRENT

- SMC8126L2
  - 0.25 A @ 115 VAC
  - 0.12 A @ 230 VAC
- SMC8150L2
  - 1.5 A @ 115 VAC
  - 0.8 A @ 230 VAC

### 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
- Diffserv, 802.1p (priority queues), DSCP, or TCP/UDP port based
- Supports 4 levels of priority with flexible classification and prioritization
- Per port bandwidth management
- MultiLink Trunking (LACP)
- 8 groups of up to 32 ports
- Port Mirroring
- IEEE 802.1x
- L2/L3/L4 access control lists
- TACACS+ client authentication
- HTTPS and SSL
- SSH (v1.5 and 2.0) for Telnet sessions
- Static port security
- Jumbo Frame support (on gigabit ports)
- Dual firmware images
- Multiple configuration files support
- Support IGMP snooping v1/v2

### 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
- Event/ Error Log
- SNMP
- 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
- Support IP address assignment
- Support port mirroring
- Support SNMP v1/v2c/v3\*

### STANDARDS

- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet
- IEEE802.1D Spanning Tree Protocol, IEEE802.3ab, IEEE802.3z Gigabit Ethernet and traffic priorities
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.3ad Link aggregation control protocol
- IEEE802.1w Rapid Spanning Tree
- IEEE802.1v Protocol Based Vlans
- IEEE802.1s Multiple Spanning Tree

### 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)
- CB (IEC60950-1)
- CSA/CUS (CSA 22.2. NO 60950-1 & UL60950-1)

### WARRANTY

- Please check [www.smc.com](http://www.smc.com) for the warranty terms in your country/region

## 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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