

ENTERPRISE SWITCH

SMC8126L2/SMC8150L2

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



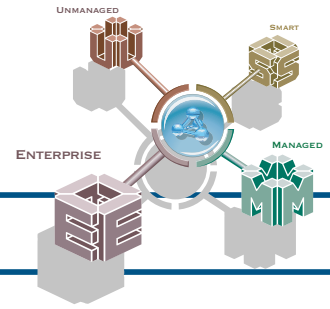
OVERVIEW

The SMC8126L2 & SMC8150L2 TigerSwitch 10/100/1000 provide wire speed 10/100/1000 Gigabit Ethernet switching specifically 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 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.

IP Clustering is a new feature in this switch family, allowing customers to logically group together up to 32 switches into a

single group and managed using a single IP address. This can enable a simplified network design, building efficiency and easy to use management. Integrated combo ports provide SFP connections where fiber is required for extended distances. The units have 26 and 50 ports on the front panel. These extra ports (when compared to 24 and 48 port devices) can enable the connection of local servers or just enhancing the connection to the core of the network. The switch also supports 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. Overall these switches are part of a flexible family of PoE and non-PoE switches bringing advanced features and functions to the SMB network.

FEATURES	BENEFITS
High-gigabit port density in a small footprint	Supports 26/50 10/100/1000Mbps including 4 combo ports in a 1RU chassis
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

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 45 °C / 32 to 113 °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
- 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
- IEEE802.1s 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

- 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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