SMC6128L2
TigerSwitch™ 10/100 Standalone 24-port 10/100 Managed Layer 2 Switch with 4 x Gigabit Combo ports

OVERVIEW
The SMC6128L2 provides wire speed 10/100 Fast Ethernet switching with features specifically designed for SMB workgroup environments. The switch has 4 built in Gigabit ports providing enhanced uplink capabilities. 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 features 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. Other standard features included are Spanning Tree and IGMP for protecting your network against loops and managing your IP multicasts enhances the productivity and problem free networking. There are 4 Gigabit combo ports (RJ-45/SFP). Overall this switch is part of flexible switch family which brings PoE and non-PoE switches to the edge of the network.

KEY FEATURES

Comprehensive security support
Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL for enhanced security.

High-gigabit port density in a small footprint
With 24 fast Ethernet ports and 4 Combo ports, this switch provides high speed and legacy connections to all nodes on the network. The 4 combo ports allow fiber connections to be connected, thereby ensuring a migration path for network installations.

Flexible QoS and VLAN
Qos allows prioritization based on 802.1p and DSCP using 4 priority queues for better network performance and VLAN support with automatic GVRP LAN registration for more efficient management.

IP Clustering
IP Clustering allows up to 32 units to be managed from a single IP address

APPLICATION DIAGRAM
PORTS
- 24 10/100BASE-T ports
- 4 Gigabit combo ports (RJ-45/SFP)

NETWORK INTERFACE
- 10/100 BASE-T ports
- 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
- SMC6128L2 - 12.8 Gbps / 9.5Mpps

BUFFER ARCHITECTURE
- 4Mbits

SWITCHING DATABASE
- 8K MAC address entries

LED
- System: Power, Diag
- Ports: Link/activity

TEMPERATURE
- Operating: 0 to 40 °C/32 to 104 °F
- Storage: -40 to 70 °C/-40 to 158 °F

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

WEIGHT
- 3 kg
- 6.7 lbs

DIMENSIONS
- 440 x 172 x 230 mm
- 17.3 x 6.7 x 9.055in.

AC INPUT
- 100 to 240 V, 50-60 Hz, 1A

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

POWER CONSUMPTION
- 30 Watts maximum

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

MTBF
- 8 Years

SWITCH FEATURES
- Spanning Tree Protocol (802.1D, .1w)
- 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)
- 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

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)

WARRANTY
- 3 Years

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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