SMC® Networks

Managed Switch

SMC6826MPE
TigerStack III™
24-Port 10/100 Stackable Managed Switch with POE

OVERVIEW

The SMC TigerStack III SMC6826MPE switch provides wire speed 10/100 Fast Ethernet switching specifically designed for enterprise workgroup environments. This switch 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 SMC6826MPE has great deployment flexibility, with 802.3af POE support on all 10/100 ports, dual combo expansion ports to support either an RJ-45 10/100/1000 port or an open Mini-GBIC slot (for use with mini-GBIC transceivers) and stacking support of up to eight stacked units. Stacking reduces network management complexity by allowing up to 192 Fast Ethernet ports to be managed as a single entity.

FEATURES	BENEFITS
High port density with gigabit and Mini-GBIC options	Supports 24 10/100Mbps 802.3af POE ports and 2 combo expansion ports to support either an RJ-45 10/100/1000 port or an open Mini-GBIC slot for use with mini-GBIC transceivers
802.3af Power over Ethernet	Supports PoE on all 10/100 ports to enable easy connection of 802.3af enabled devices.
Redundant Power Support	Enables your VOIP network and other devices to keep running even if the primary power source fails.
Stackable up to 8 units	Facilitate network management with up to 192 ports under single IP to create a virtual stack
System and Port Security	Using RADIUS, SSL, SSH, prevent unauthorized access and secure connection
IEEE802.1P Priority Queuing	Support for four levels of priority, with weighted fair queuing--ensures smooth transmission of mission critical data
IEEE802.1Q VLAN with GVRP	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration--provides maximum security and bandwidth efficiency
IGMP Snooping	Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings--reduce IP multicast traffic and increase LAN performance
Rate Limiting	Basic network bandwidth control to ensure smooth operation

PORTS
- 24 Auto-MDIX 10BASE-T/100BASE-TX RJ-45 ports and 2 1000BASE-T/ SFP Combo ports
- Built-in Network Management
- RPU port

NETWORK INTERFACE
- 10BASE-T: RJ-45 UTP CAT. 3,4,5
- 100BASE-TX: RJ-45 UTP Cat. 5
- 100BASE-FX: SC/ST connector
- 1000BASE-SX: SC connector
- 1000BASE-LX: SC connector
- 1000BASE-T: RJ-45 connector
- Multimode fiber cable; 62.5/125 or 50/125 microns

LEDs
- System: PWR, Diag, RPS, Stacking
- Ports: Link/Act, PoE

SWITCHING DATABASE
- 8K MAC address entries

SWITCH FABRIC
- 8.8 Gbps

STACK INTERFACE
- 1Gbps, full duplex, USB

Buffer Architecture
- 8Mbytes

WEIGHT
- 5.76 kg (12.70 lbs)

TEMPERATURE
- Operating: 0°C to 50°C (32°F to 122°F) Storage: -40°C to 70°C (-40°F to 158°F)
- Humidity Operating: 5% to 95% (non-condensing)

WARRANTY
- Limited Lifetime

DIMENSIONS
- 18 x 16 x 1.7 in
- 440 x 410 x 43 mm

HUMIDITY
- Operating: 5% to 95%

AC INPUT
- 100 to 240V, 47 to 63 Hz

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

POWER CONSUMPTION
- 48 Watts (Switching system)
- 375 Watts (Power-over-Ethernet)

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

MAXIMUM CURRENT
- 6.8 A @ 100 V AC
- 3.2 A @ 240 V AC

MTBF
- 8 years

SWITCH FEATURES
- Spanning Tree Protocol
- Forwarding Mode
- Store-and-forward
- VLAN Support
- Up to 256 groups; port-based or with 802.1Q
- VLAN tagging, GVRP for automatic VLAN learning
- Quality of Service
- Supports four levels of priority
- MultiLink Trunking (LACP)
- Port Mirroring
- TACACS+ client authentication
- HTTPS and SSL
- SSH 2.0 for Telnet sessions
- Rate limiting
- Static port security
- Layer 3/4 Priority mapping

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 1643), RMON MIB (RFC 1757), SMC's private MIB

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

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
- IEEE802.1s Multiple Spanning Tree (future)
- IEEE802.3af Power over Ethernet

ISO
- IEC8802.3
- SNMP (RFC 1157), RMON (RFC 1757), ARP (RFC826), IEGMP (RFC1157), IGMP (RFC1112), MIB II (RFC 1213), Ethernet-like MIB (RFC1643), Bridge MIB (RFC 1493)

COMPLIANCES
- CE Mark
- Emissions
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI Class A
- C-Tick – AS/NZS 3548 (1995) Class A

IMMUNITY
- IEC 1000- 4- 2/3/4/6

SAFETY
- UL
- CSA/NRTL (CSA22.2.2.950 &UL 1950)
- En60950 (TUV/GS)

OPTIONAL PLUG-IN TRANSCEIVERS

SMCBGSLCX1
- 1000BASE-SX
- LC Multimode fiber
- Range - 220m for 62.5/125m, 850nm
- Range - 550m for 50/125m, 850nm

SMCBGLLCX1
- 1000BASE-LX
- LC Singlemode fiber
- Range - 10Km for 9/125m, 1310nm

SMCBGZLCX1
- 1000BASE-ZX
- LC single mode fiber
- Range - 70 to 100Km for 9/125, 1310nm

STACKING CONNECTOR
- SMC6824P-S
- Stacking connector including cable

Contact

SMC NETWORKS AUSTRALIA

www.smc-australia.com.au

1/14 Wellington Street,

ACACIA RIDGE QLD 4110 Australia

1300 725 323