Managed Switch

SMC8724M / SMC8748M

TigerStack 1000™

Stackable 24/48-port 10/100/1000+ optional 10Gigabit uplink Managed Switch

OVERVIEW

SMC8748M and SMC8724M are feature-rich 10/100/1000BASE-T Stackable managed switches with optional 10G. This tri-speed gigabit backbone switch is designed to handle heavy traffic workgroups or power users, capable of reaching up to 156Gbps with a non-blocking switching architecture. High density and 1RU high, this switch is ideal for enterprise workgroups or backbone installation.

FEATURES	BENEFITS
High-port density and migration protection in a small footprint	Supports 24/48*10/100/1000Mbps with optional 10G uplink in an 1RU chassis
QoS	Support eight levels of priority, with weighted fair queuing and L2/3/4 IP precedence--ensures smooth transmission of mission critical data
VLAN with GVRP and 802.1s/v	Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration spanning tree per VLAN--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
MultiLink Trunking with LACP	Can group links between switches to provide higher bandwidth of up to 16Gbps
Comprehensive security support	Currently supports RADIUS, IEEE802.1x, SSH, SSL,TACACS+, ACL, with future upgrade to SNMPv3
Redundant Power Supply	Provides backup power in case of power failure

SMC Networks

TECHNICAL SPECIFICATIONS SMC8724M / SMC8748M

PORTS
- 24/48 RJ-45 10/100/1000 Ports
- 4 Combo Ports (SFP/RJ45)
- 2 Stacking connectors

UPLINKS OPTIONS
- 10G Module slot

STACKING
- 8 units (MAX)

SWITCHING FABRIC
- Non-Blocking 108 Gbps - 24 port
- 156 Gbps - 48 port

PACKETS PER SECOND
- Store and forward

SWITCHING MODE
- Operating 5% to 95% (non-condensing)

MAC ADDRESS
- 16K

WARRANTY
- Limited Lifetime

BUFFER SIZE
- 2MB - 24 Port
- 4MB - 48 Port

BANDWIDTH CONTROL
- Link Aggregation
  - 32 groups 8 ports per group
- Stack-wide trunking
- Rate Limiting

NETWORK & TRAFFIC CONTROL/SECURITY
- VLAN support
  - 255
- Protocol based vlans
- Spanning Tree protocols
  - 802.1D, 802.1w, 802.1s
- IGMP snooping
  - v1,v2 - 64 groups
- Jumbo frames (9K)
- L3/L4 priority mapping
- Broadcast storm control
- Flow Control
- MAC address filter
- 802.1x
- RADIUS
- TACACS+
- ACL
- SSL/HTTPS
- SSH

EMISSIONS
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI Class A

SAFETY
- CSA/NRTL (CSA 22.2.950 & UL 1950), EN60950 (TÜV/GS)

MANAGEMENT
- RMON
  - 4 groups
- SNMP
  - v1,v2 and V3
- CLI
- Web interface
- Port mirroring
- DNS
- SNTP
- Syslog remote logging

REDUNDANCY
- Dual firmware image
- Redundant Power

STANDARDS COMPLIANCE
- CE

DIMENSIONS
- 17.3 x 16 x 1.8 in
- 440 x 407 x 43 mm

WEIGHT
- 11 Lb
- 5 Kg

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

Contact

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