

SMC8724ML3 / SMC8748ML3

TigerStack 1000™

Stackable 24/48-port 10/100/1000+ optional 10Gigabit uplink L3 Managed Switch



OVERVIEW

SMC Networks' TigerStack1000 Switches are the newest in a series of "Next Generation" high performance stackable switches that deliver high scalability, wire-speed Gigabit performance, high availability, 10 Gigabit Ethernet uplinks, and redundant power options.

The TigerStack1000 SMC8724ML3/SMC8748ML3 stacks up to 8 units in a stack, providing up to 384 Gigabit ports. A stack can be created with either the TigerStack1000 SMC8724ML3 or the TigerStack 1000 SMC8748ML3, providing unprecedented flexibility. It provides 48 built-in copper Gigabit ports, including (4) Combo SFP ports supporting either copper links or SFP adapters for easy, flexible connection to fiber-based Gigabit media and a switching capacity of up to 156Gbps.

The SMC8724ML3/SMC8748ML3 switches feature a variety of network management options: console CLI, telnet, web, SNMPv1/v2, RMON, TFTP, Port Mirroring, BootP, and DHCP. It also supports a variety of advanced traffic management options including: 802.1x, Bandwidth Control, Broadcast Storm Control, and support for IGMP Snooping v1/v2/v3. SMC Networks exclusive SIM technology is also supported. This feature allows up to 32 units of SMC Networks switches to be managed under a single IP, regardless of it's physical environment.

The SMC8724ML3/SMC8748ML3 provides a robust and consistent set of QoS/CoS, VLAN, and security features. It supports 8 priority queues for 802.1p/ToS/DiffServ, with classification and marking based on MAC SA/DA, IP SA/DA, and/or TCP/UDP. Security features include: 802.1x (Port Authentication), port security, and Access Control Lists (ACL) based on MAC address, IP address, and/or TCP/UDP port numbers. It also provides extensive support for GARP/GVRP, 802.1q, and a flexible VLAN implementation including port, tagged and protocol based VLANs. The SMC8724ML3/SMC8748ML3 is the latest example of SMC's continued commitment to our channel partners and customers to be the industry leader in cost-effective, reliable, high performance, feature-rich switches.

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
Advanced Layer 3 Unicast Features	Supports RIPv1,v2 and OSPF to give wirespeed IP routing
Advanced Layer 3 Multicast Features	Supports DVMRP and PIM-DM to enable multicast networks
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

TECHNICAL SPECIFICATIONS

SMC8724ML3 / SMC8748ML3

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)

PERFORMANCE

- 24 Port
 - 108Gbps
 - 80Mpps
- 48 Port
 - 156Gbps
 - 115Mpps
- Up to 8K ARP table entries
- Up to 64K Routing table entries
- Up to 256 static IP routes

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

LAYER 3

- RIP v1,v2
- OSPF
- DVMRP
- PIM-DM
- RRP

EMISSIONS

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

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

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
- SNMP
- 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

- 7 kg (15.4 lbs)
- 6.1 kg (13.4 lbs)

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

10G MODULE

- SMC8700GXP10L3

10G TRANSCEIVERS

- SMC10GXEN-SR - SR XENPAK
- SMC10GXEN-LR - LR XENPAK
- SMC10GXEN-ER - ER XENPAK

Contact

SMC NETWORKS AUSTRALIA

www.smc-australia.com.au

1/14 Wellington Street,

ACACIA RIDGE QLD 4110 Australia

1300 725 323