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 its 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.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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<tbody>
<tr>
<td>High-port density and migration protection in a small footprint</td>
<td>Supports 24/48*10/100/1000Mbps with optional 10G uplink in an 1RU chassis</td>
</tr>
<tr>
<td>Advanced Layer 3 Unicast Features</td>
<td>Supports RIPv1/v2 and OSPF to give wire-speed IP routing</td>
</tr>
<tr>
<td>Advanced Layer 3 Multicast Features</td>
<td>Supports DVMRP and PIM-DM to enable multicast networks</td>
</tr>
<tr>
<td>QoS</td>
<td>Support eight levels of priority, with weighted fair queuing and L2/3/4 IP precedence—ensures smooth transmission of mission critical data</td>
</tr>
<tr>
<td>VLAN with GVRP and 802.1s/v</td>
<td>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</td>
</tr>
<tr>
<td>IGMP Snooping</td>
<td>Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings—reduce IP multicast traffic and increase LAN performance</td>
</tr>
<tr>
<td>MultiLink Trunking with LACP</td>
<td>Can group links between switches to provide higher bandwidth of up to 16Gbps</td>
</tr>
<tr>
<td>Comprehensive security support</td>
<td>Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL, with future upgrade to SNMPv3</td>
</tr>
<tr>
<td>Redundant Power Supply</td>
<td>Provides backup power in case of power failure</td>
</tr>
</tbody>
</table>
## 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
- 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
- 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
- SMC8700GXPIOL3

#### 10G TRANSCEIVERS
- SMC10GXEN-SR - SR XENPAK
- SMC10GXEN-LR - LR XENPAK
- SMC10GXEN-ER - ER XENPAK

### Contact

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