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

<table>
<thead>
<tr>
<th>High-port density and migration protection in a small footprint</th>
<th>QoS</th>
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<tbody>
<tr>
<td></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>
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<table>
<thead>
<tr>
<th>VLAN with GVRP and 802.1s/v</th>
<th>IGMP Snooping</th>
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<tbody>
<tr>
<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>
<td>Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings—reduce IP multicast traffic and increase LAN performance</td>
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<tr>
<th>MultiLink Trunking with LACP</th>
<th>Comprehensive security support</th>
</tr>
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<tbody>
<tr>
<td>Can group links between switches to provide higher bandwidth of up to 16Gbps</td>
<td>Currently supports RADIUS, IEEE802.1x, SSH, SSL, TACACS+, ACL, with future upgrade to SNMPv3</td>
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<table>
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<tr>
<th>Redundant Power Supply</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Provides backup power in case of power failure</td>
<td>Supports 24/48*10/100/1000Mbps with optional 10G uplink in an 1RU chassis</td>
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</table>
## 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**

<table>
<thead>
<tr>
<th>Transceiver</th>
<th>Description</th>
<th>Range</th>
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<tbody>
<tr>
<td>SMCBSLCX1</td>
<td>1000BASE-SX, LC Multimode fiber</td>
<td>220m for 62.5/125m, 850nm</td>
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<tr>
<td></td>
<td></td>
<td>550m for 50/125m, 850nm</td>
</tr>
<tr>
<td>SMCBLLCX1</td>
<td>1000BASE-LX, LC Singlemode fiber</td>
<td>10Km for 9/125m, 1310nm</td>
</tr>
<tr>
<td>SMCBZLCX1</td>
<td>1000BASE-ZX, LC single mode fiber</td>
<td>70 to 100Km for 9/125, 1310nm</td>
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</tbody>
</table>

### Contact

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Check www.smc.com for your local country contact information

[www.smc.com](http://www.smc.com)