The SMC TigerSwitch™ 10/100/1000 is the first in the market to bring you a 24-port Gigabit switch in a small 1RU footprint. Without rewiring your existing network, SMC8624T’s 24 auto-MDIX tri-speed ports provide a feature-rich platform for bandwidth-starved networks.

SMC8624T delivers non-blocking switching performance in a robust 88Gbps switch fabric, with advance features such as priority queuing, link aggregation LACP, VLANs with GVRP and IGMP for today’s multimedia applications.

Maximum uptime can be further increased by deploying the optional SMCRPS600W redundant power unit. Each SMCRPS600W provides a dedicated, redundant power supply for up to four SMC8624T, eliminating the switch’s internal power supply as a single point of failure. RADIUS and port-based security are also included to address today’s concerns regarding security.

Moreover, the optional 1000SX and 1000LX Gigabit Ethernet optical transceivers are small form-factor pluggable (SFP) designs and support distances between 220m and 5km, depending on the type of fiber media used.

TigerSwitch™ 10/100/1000 is further backed by a comprehensive limited lifetime warranty and SMC’s efficient technical support.

**Features**
- High-port density in a 1RU footprint
- Full wire-speed non-blocking switching performance
- Priority queuing with Weighted Round Robin (WRR)
- VLAN with GVRP
- IGMP v.1/v.2
- LACP for link aggregation
- Port mirroring
- Port and system security
- SNMP, RMON, Spanning Tree Algorithm
- RADIUS remote authentication
- Forwarding rate of 35.6Mpps

**Benefits**
- Supports up to 24 auto-MDIX 10/100/1000 ports with 4 associated mini-GBIC ports for optional gigabit fiber plug-in
- Non-blocking 88Gbps switch fabric for maximum switching performance
- Four levels of priority with weighted fair queuing, ensures smooth transmission of vital data
- Supports VLANs based on tags, ports plus support for automatic GVRP LAN registration for maximum security and bandwidth efficiency.
- IGMP allows multicast traffic transmission to registered users only
- Port trunking group links between switches, increases bandwidth for dedicated link
- Port mirroring allows sniffer tracking data transmission for easy troubleshooting.

**Compatibility**
- IEEE802.3
- IEEE802.3u
- IEEE802.3z
- IEEE802.1d
- IEEE802.1p
- IEEE802.1Q
- IEEE802.3ad
- IEEE802.1w (future release)
- IEEE802.3ab
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMC8624T</td>
<td>Standalone 24-port 10/100/1000 Layer 2 Managed Switch With 4 Associated Mini-GBICs Uplink Ports</td>
</tr>
<tr>
<td>SMCBGLLCX1</td>
<td>1000Base-SX LC SFP Mini-GBIC Transceiver</td>
</tr>
<tr>
<td>SMCBGLLCX1</td>
<td>1000Base-LX LC SFP Mini-GBIC Transceiver</td>
</tr>
<tr>
<td>SMCRPS600W</td>
<td>Redundant DC-Power Supply</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Port</th>
<th>24 x 10/100/1000Base-T ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregated Bandwidth</td>
<td>48Gbps</td>
</tr>
<tr>
<td>Forwarding Rate</td>
<td>35.6Mpps</td>
</tr>
<tr>
<td>Buffer Architecture</td>
<td>2Mb per system</td>
</tr>
<tr>
<td>Size</td>
<td>435mm x 348mm x 43mm</td>
</tr>
<tr>
<td>Weight</td>
<td>4.36kg (9.5lbs)</td>
</tr>
<tr>
<td>Temperature</td>
<td>0°C - 50°C</td>
</tr>
<tr>
<td>In storage</td>
<td>-40°C - 70°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>5% - 95% (non-condensing)</td>
</tr>
<tr>
<td>AC Input</td>
<td>100 to 240V, 50-60 Hz</td>
</tr>
</tbody>
</table>

**Power Supply**
- Internal auto-ranging transformer: 90 to 260VAC, 47 to 63Hz
- Redundant DC input

**Power Consumption**
- 48W max.

**Heat Dissipation**
- 239 BTU/hr

**Maximum Current**
- 0.5A @ 110VAC
- 0.7A @ 240VAC

**MTBF**
- 6 years (estimated)

**Switch Features**
- Spanning Tree Protocol with future support to IEEE802.1w*
- Forwarding mode: Store-and-forward
- Flow control: Full Duplex: IEEE802.3x
- 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 and weighted fair queuing
- Broadcast storm control: VLAN
- Link aggregation: Port mirroring
- Rate limiting*

**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), RADIUS authentication client MIB (RFC2618), SMC’s private MIB

**RMON Support**
- Groups 1, 2, 3, 9 (statistics, history, alarm, event)

**Standards**
- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3z Gigabit Ethernet
- IEEE802.10 Spanning Tree Protocol and traffic priorities
- IEEE802.1Q priority tags
- IEEE802.1Q VLAN
- IEEE802.1Q VLAN tagging
- IEEE802.1ad link aggregation control protocol
- IEEE802.1w Fast Spanning Tree*

**ISO**
- IEC8802.3
- SNTP (RFC 1157), RMON (RFC 1757), ARP (RFC223), IGMP (RFC1112), Ethernet- Like MIB (RFC1643), Bridge MIB (RFC 1493), RADIUS (RFC2618)

**Compliances**
- C5 Mark
- Emissions: - FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI Class A
- Immunity: - IEC 1000 - 4-2/3/4/6

**Safety**
- CSA/UL (CSA22.2.2950 & UL 1950)
- EN60950 (TUV/GS)
- CSA/NRTL (CSA22.2.2950 & UL 1950)
- EN55022 (CISPR 22) Class A
- Industry Canada Class A
- FCC Class A
- EN55022 (CISPR 22) Class A
- VCCI Class A
- Immunity: - IEC 1000 - 4-2/3/4/6

**Warranty**
- Limited lifetime

**Optional Plug-In Transceiver**

**Model**
- SMCBGLLCX1
- SMCBGLLCX1

**Ports**
- One 100Base-SX
- One 100Base-LX

**Network Interface**
- LC connector, 50/125 or 62.5/125 micron multimode fiber cable
- LC connector, 9/125 micron singlemode fiber cable

**Standards**
- 802.3 Gigabit Ethernet

**Transmission**
- Full Duplex

**Range**
- Multimode
  - 220m for 9/125µm, 850nm
  - 550m for 50/125µm, 850nm
- Single mode
  - 5km for 9/125µm, 1310nm

**Compliance**
- Limited lifetime

* Future release

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