SMC’s Extended Ethernet (EE) network solution provides an alternative cost-effective solution for network/Internet access to multi-unit buildings or enterprise environment such as hospitals, universities, and manufacturing facilities. Using existing category 1, 2, or 3 wiring, SMC’s EE technology is able to deliver up to 15Mbps of broadband connection for distance up to 5,000 ft. SMC’s EE solution minimizes the hassles involved in rewiring by delivering both voice and data access on the same line as Plain Old Telephone Service (POTs), digital telephone, and ISDN. It is also compatible with ADSL (asymmetric digital subscriber line). SMC’s EE solution is the best choice for service providers to supply broadband access with minimal changes to existing wiring infrastructure.

The TigerAccess™ Extended Ethernet Solution includes the TigerAccess EE Switch, TigerAccess EE CPE (Customer Premise Equipment), and TigerAccess EE Splitter.

**TigerAccess EE Switch**

SMC’s EE Switch-SMC7724M/VSW together with the EE Splitter SMC7024/VSP or SMC7048/VSP combines data and voice signals for delivery over standard telephone cable to multiple users in residential or commercial buildings. Ethernet data signals are received on the switch uplink port and passed to the 24 extended Ethernet ports on the rear panel via 24 internal Ethernet ports. These data signals are then passed to the splitter via the extended Ethernet connector on the rear panel. The switch supports optional 1-port 1000Base-T, 1000Base-X GBIC, 100Base-FX multi-mode and 10/100Base-TX modules. It also has an SFP slot for Gigabit transceivers. The fiber module and transceiver ports can provide direct connection to your ISP with fiber optic cable. In a switch stack, any of the module ports can also function as uplinks to the backbone, or as regular switch ports for networking.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMC7724MVSW</td>
<td>Stackable 24-port EE Managed Switch With 1 Slot For Uplink</td>
</tr>
<tr>
<td>SMC7724T</td>
<td>1-port 10Base-T/100Base-TX Media Expansion Module</td>
</tr>
<tr>
<td>SMC7724FMSC</td>
<td>1-port 100Base-FX MMF SC Expansion Module</td>
</tr>
<tr>
<td>SMC7712GT</td>
<td>1-port 100/1000 Media Expansion Module</td>
</tr>
<tr>
<td>SMC7712GB</td>
<td>1-port 1000Base-X GBIC Expansion Module (Transceiver sold separately)</td>
</tr>
<tr>
<td>SMCBGSSCX1</td>
<td>1000Base-SX GBIC Transceiver</td>
</tr>
<tr>
<td>SMCBGLSCX1</td>
<td>1000Base-LX GBIC Transceiver</td>
</tr>
<tr>
<td>SMCBGSLCX1</td>
<td>Gigabit 1000Base-SX SFP Mini-GBIC Transceiver</td>
</tr>
<tr>
<td>SMCBGLLCX1</td>
<td>Gigabit 1000Base-LX SFP Mini-GBIC Transceiver</td>
</tr>
<tr>
<td>SMC7024VSP</td>
<td>24-port Extended Ethernet Splitter</td>
</tr>
<tr>
<td>SMC7048VSP</td>
<td>48-port Extended Ethernet Splitter</td>
</tr>
<tr>
<td>SMC7500A/VCP</td>
<td>Extended Ethernet Customer Premise Equipment</td>
</tr>
</tbody>
</table>

### Ports
- RJ-21 connector; one-pair category 1, 2, or 3 UTP cabling (12/24 EE ports)
- 1 slot for Ethernet expansion module
- Built-in network management

### Network Interface
- 10Base-T: RJ-45 UTP Cat. 3, 4, 5
- 100Base-TX: RJ-45 UTP Cat. 5
- 100Base-FX: SC connector
- 100Base-SX: SC connector
- 100Base-LX: SC connector
- 100Base-T: RJ-45 connector
- Multimode fiber cable: 62.5/125 or 50/125 micron
- 10Base-S: RJ-21 connector; one-pair category 1, 2, or 3 UTP cabling

### Switching Database
- 8K MAC address entries

### LEDs
- System; power, diagnostics, stacking, AC power, master
- Ethernet ports: link, speed, activity
- VDSL ports: link, activity
- Reset

### Buffer Architecture
- 16Mb shared

### Weight
- 3.6kg (7.94lbs)

### Dimension
- 440mm x 352mm x 44mm (7.37" x 12" x 1.69")

### Temperature
- In operation: 0°C ~ 50°C
- In storage: -40°C ~ 70°C

### Humidity
- In operation: 5% ~ 90%

### AC Input
- 100 to 240V, 50 to 60Hz

### Power Supply
- Internal, auto-ranging transformer: 100 to 240VAC, 50 to 60Hz

### Power Consumption
- 40W max.

### Heat Dissipation
- 137 BTU/hr

### Maximum Current
- Voltage: 0.5A max. @110V, 0.25A
- Max. @240V

### MTBF
- 6 years

### Switch Features
- Spanning Tree Protocol
- Forwarding mode:
  - Store-and-forward
  - 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
- MultiLink Trunking (LACP)
- Port mirroring

### 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
- VLAN support:
  - VLAN tagging, GVRP for automatic VLAN learning
  - Up to 256 groups; port-based or VLAN
  - Stands: Port-Based or 802.1Q

### MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet Like MIB (RFC 1643), RMON MIB (RFC 1757), SMC's private MIB

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

### ISO
- IEC8802.3 Ethernet, IEE802.3u
- Fast Ethernet, IEE802.1D Spanning Tree Protocol and traffic priorities,
- IEE802.1P priority tags
- IEE802.1Q VLAN
- IEE802.1av VLAN tagging
- IEE802.1ad Link aggregation control protocol
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet Like MIB (RFC 1643), RMON MIB (RFC 1757), SMC's private MIB

### Compliance
- CE Mark
- Emissions:
  - FCC Class A
  - Industry Canada Class A
  - EN50022 (CISPR 22) Class A
  - VCCI Class A
- Immunity:
  - IEC 1000-4-2/3/4/6

### Safety
- CSA/NRTL (CSA22.2.950 & UL 1950)
- En60950 (TUV/GS)
- CB (UCC 60950)

### Slide-In Modules
- SMC7724T
  - One 10Base-T/100Base-TX
- SMC7724FMSC
  - One 100Base-FX SC connector, 50/125 or 62.5/125 micron multimode fiber cable
- SMC7712GB
  - One 1000Base-X (transceiver available separately)
- SMC7712GT
  - One 100/1000Base-T auto-MDIX

### Warranty
- Limited Lifetime

---

**SMC Offices. For information, call or fax:**

- **SMC NETWORKS Asia Pacific**: 1 Claymore Drive #08-05/06 Orchard Towers (Rear Block) Singapore 229594 Tel: +65 6238 6656 Fax: +65 6238 6466 Web: www.smc-asia.com

- **SMC NETWORKS USA**: 38 Tesla Irvine, CA 92618
  Tel: 800 SMC 4YOU / 949 679 8000 Fax: 949 679 1481 Web: www.smc.com

- **SMC NETWORKS Europe**: Edificio Conata II Calle Fructuós Gelabert 6-8, 2o,4a 08970 – Sant Joan Despí Barcelona, Spain Tel: 34 93 477 4920 Fax: 34 93 477 3774 Web: www.smc-europe.com

- **Asia Pacific Sales Offices**
  - **SMC Australia**: Tel: +61 2 8448 5800 Fax: +61 2 8448 5858
  - **SMC China**: Tel: +86 21 6495 8060 Fax: +86 21 6495 8060
  - **SMC India**: Tel: +91 22 5696 2790 Fax: +91 22 5696 2790
  - **SMC Japan**: Tel: +81 3 5654 5715 Fax: +81 3 5654 5716
  - **SMC Korea**: Tel: +82 2 563 2784 Fax: +82 2 563 2784
  - **SMC Middle East**: Tel: +971 4 299 4466 Fax: +971 4 299 4464
  - **SMC Taiwan**: Tel: +886 2 8797 8006 Fax: +886 2 8797 6288
  - **SMC Thailand**: Tel: +66 2 651 8733 Fax: +66 2 651 8737