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.

**Economical Ethernet Network Extender For Multi-Unit Buildings**

**Features**
- Optional 10/100TX, Gigabit or 100FX Uplinks
- Stackable and manageable under a single IP*
- QoS that supports four levels of priority
- Rate limiting
- ACL, RADIUS, TACACS+, SSL*
- Limited lifetime warranty

**Benefits**
- Up to 1Gbps bandwidth can be provided for uplinking to a server or another switch
- Creating a virtual switch of 96 ports without the need to buy stacking modules*
- Ensures smooth transmission of mission critical data and multimedia application
- Facilitates bandwidth control under MTU/MDU condition
- Secure network and secure applications
- Investment protection and quality assurance

**Compatibility**
- IEEE802.3
- IEEE802.3u
- IEEE802.3z
- IEEE802.1D
- IEEE802.1P
- IEEE802.1Q
- IEEE802.3ad
- IEEE802.1ac
- IEEE802.3ab
- IEEE802.1x*
- IEEE802.3z

* Future support
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
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<tbody>
<tr>
<td>SMC7724M/VSW</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-T Media Expansion Module</td>
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<tr>
<td>SMC7724FMS</td>
<td>1-port 100Base-FX MMF SC Expansion Module</td>
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<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>SMCBGSSCXI</td>
<td>1000Base-SX GBIC Transceiver</td>
</tr>
<tr>
<td>SMCBGLSXI</td>
<td>1000Base-LX GBIC Transceiver</td>
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<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>
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<tr>
<td>SMC7024/VSP</td>
<td>24-port Extended Ethernet Splitter</td>
</tr>
<tr>
<td>SMC7048/VSP</td>
<td>48-port Extended Ethernet Splitter</td>
</tr>
<tr>
<td>SMC7500A/VCP</td>
<td>Extended Ethernet Customer Premise Equipment</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**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
- 1000Base-SX: SC connector
- 1000Base-LX: SC connector
- 1000Base-T: RJ-45 connector
- Multimode fiber cable: 62.5/125 or 50/125 microns
- 10Base-S: RJ-21 connector; one-pair category 1, 2, or 3 UTP cabling

**Stack Interface**
- 1Gbps: IEEE1394 connectors

**Speed/Distance**
- Up to 5,000 ft distance at 5Mbps symmetrical transmission rate
- Up to 4,000 ft distance at 10Mbps symmetrical transmission rate
- Up to 3,500 ft distance at 15Mbps symmetrical transmission rate

**Buffer Architecture**
- 16Mb shared

**Switching Database**
- 8K MAC address entries

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

**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

**ISO**
- IEC8802.3
- 802.3ab Gigabit Ethernet
- 802.3z Gigabit Ethernet

**Compliances**
- CE 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/NRTL (CSA22.2.2.950 & UL 1950)
- En60950 (TUV/GS)
- CB (UEC 69590)

**Slide-In Modules**
- SMC7724T
- One 10Base-T/100Base-TX
- SMC7724FMS
- 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

**Standards**
- Two 10/100 Fast Ethernet
- 10/100/1000Base-T auto-MDIX

**Warranty**
- Limited lifetime

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

**SMC NETWORKS Asia Pacific**
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Singapore 229594 Tel: +65 6238 6556 Fax: +65 6238 6466 Web: www.smc-asia.com

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**SMC NETWORKS Europe**
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Web: www.smc-europe.com

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**Asia Pacific Sales Offices**

<table>
<thead>
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</tr>
</thead>
<tbody>
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<td>+86 21 6495 7924</td>
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<td>SMC India</td>
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<td>+91 22 5569 2794</td>
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<td>SMC Japan</td>
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<td>+81 3 5645 5716</td>
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<td>SMC Korea</td>
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<td>+92 2 553 7202</td>
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<tr>
<td>SMC Middle East</td>
<td>+91 4 299 4466</td>
<td>+91 4 299 4664</td>
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<tr>
<td>SMC Taiwan</td>
<td>+886 2 8797 8002</td>
<td>+886 2 8797 6288</td>
</tr>
<tr>
<td>SMC Thailand</td>
<td>+66 2 651 8733</td>
<td>+66 2 651 8737</td>
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