SMC6726L3
TigerSwitch™ Standalone L3 Managed 24-Port 10/100 Switch

OVERVIEW

SMC’s TigerSwitch 10/100, SMC6726L3, performs Layer 2 switching and IP-based Layer 3 routing in the same box. It includes 24 fixed auto-MDIx 10/100BASE-TX ports and 2 Combo ports (RJ-45/SFP) also on the front panel giving complete flexibility. This TigerSwitch is designed to integrate network subnets and VLANs seamlessly, augmenting or completely replacing slow legacy routers, and providing the required throughput for today’s web-based intranet traffic flow.

The SMC6726L3 also comes fully-loaded with advanced performance-enhancing features: GMRP and IGMP maintain available bandwidth by limiting multicast packet transmissions to subscribers only. DVMRP multicast routing can significantly conserve bandwidth by minimizing packet replication across the network. QoS priority queuing ensures a minimum delay for real-time multimedia data across the network, while port-based and tagged VLANs with support for GVRP are also included to provide traffic security and efficient use of network bandwidth. With a host of advance features and comprehensive management capabilities, this device is a strong solution for the network core with the flexibility to be integrated into existing network infrastructure.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Auto-MDIx 10/100 ports for easy installation and network integration</td>
<td>QoS expedites critical data via prioritizing and filtering</td>
</tr>
<tr>
<td>Operating at wire-speed for optimal switching and IP routing performance</td>
<td>MultiLink Trunking creates high-speed data paths to servers or other switches*</td>
</tr>
<tr>
<td>Support IP, RIP, OSPF routing protocol for routing between subnets and VLANs</td>
<td>Support up to 256 IEEE802.10 VLANs, port and protocol based</td>
</tr>
<tr>
<td>GRMP, IGMP, and DVMRP multicast Protocol supported for today’s multimedia application</td>
<td>Provide Layer2/3/4 CoS and multicast protocols to reduce multicast traffic for maximum performance</td>
</tr>
<tr>
<td>System and port security features to protect from intruders</td>
<td>SSH, TACACS+, SSL, RADIUS, ACL to prevent unauthorized access</td>
</tr>
</tbody>
</table>

www.smc-asia.com
**TECHNICAL SPECIFICATIONS SMC6726L3**

**PORTS**
- 24 auto-MDIX 10/100 RJ-45 ports
- 2 Combo ports (RJ-45/SFP)
- Console port
- Redundant Power connector

**NETWORK INTERFACE**
- 10BASE-T: RJ-45 UTP CAT. 3, 4, 5
- 100BASE-TX: RJ-45 UTP Cat. 5
- 1000BASE-SX: SC connector
- 1000BASE-LX: SC connector
- 1000BASE-T: RJ-45 connector
- Multimode fiber cable: 62.5/125 or 50/125 microns
- Singlemode fiber cable:

**LEDs**
- System: Power, RPU, Diag
- Port: link/activity

**BUFFER ARCHITECTURE**
- 32Mb shared

**SWITCHING DATABASE**
- 16K MAC address entries
- 4K IP address entries

**WEIGHT**
- 6.86 lbs
- 3.1 kg

**TEMPERATURE**
- Operating: 0° to 50°C / 32° to 122°F
- Storage: -40° to 70°C / -40° to 158°F

**WARRANTY**
- Limited Lifetime

**DIMENSIONS**
- 17.4 x 9.1 x 1.7 in
- 44.0 x 23.0 x 4.4 cm

**HUMIDITY**
- Operating: 5% to 95%

**POWER SUPPLY**
- Internal, auto-ranging transformer: 100 to 240VAC, 50 to 60 Hz

**POWER CONSUMPTION**
- 28.44 Watts maximum

**AC INPUT**
- 100 to 240 V, 50-60 Hz, 0.8A

**MAXIMUM CURRENT**
- 0.56 A @ 110 VAC
- 0.32 A @ 240 VAC

**SWITCH FEATURES**
- Layer 3: IPv4 Routing
- Layer 2: Multicasting
- GARP (GARP Multicast Registration Protocol)
- IGMP (Internet Group Management Protocol)
- DVMRP (Distance Vector Multicast Routing Protocol)
- PIM-DM (Protocol Independent Multicast-Dense Mode)
- Multi-netting
- Static IP routes
- Supernatting (CIDR)
- RIP v1, v2
- OSPF routing
- DHCP/BOOTP
- DHCP Server/client

**LAYER 2:**
- Spanning Tree Protocol (802.1D, 802.1w, 802.1s)
- Spanning Tree fast start
- Forwarding Mode
- Store-and-forward
- Flow Control
- Full duplex: IEEE802.3x
- Half duplex: back pressure
- VLAN Support
- Up to 256 groups; port-based or with 802.10
- VLAN tagging, GVRP for automatic VLAN learning
- Private VLANs
- Quality of Service
- Supports eight levels of priority and weighted fair queuing
- Layer 3/Layer 4 priority mapping: IP precedence, IP DSCP
- Rate limiting
- Broadcast storm control
- Link Aggregation
- Port Mirroring

**MANAGEMENT FEATURES**
- In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- CLI, RS-232 DB-9 console port
- Software loading
- TFTP in-band or Xmodem out-of-band
- RMON Support
- Groups 1,2,3, 9

**STANDARDS**
- RFC2096 RFC2123 standard MIB-II, RFC2131 DHCP server, RFC2233 Interface Group MIB, RFC2328 OSPF, RFC2453 RIPv2, RFC2674 Bridge MIB Extensions (IEEE802.10 MIB)
- RFC2737 Entity MIB, RFC2742 Extensible SNMP Agents MIB, IP Multicast MIB (IGMP MIB, DVMRP MIB), Private MIB (IEEE 802.1w Rapid Reconfiguration Spanning Tree MIB)

**COMPLIANCES**
- CE Mark

**EmissionS**
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI A
- Class A Immunity
- IEC 1000 - 4 -2/3/4/6

**SAFETY**
- CSA/NRTL (CSA22.2.2950 & UL 1950), EN60950 (TUV/GS)

**OPTIONAL PLUG-IN TRANSCIEVERS**
- SMCBGSLC1X
  - 1000BASE-SX
  - LC Multimode fiber
  - Range: 2200m (62.5/125μm, 850nm)
  - Range: 550m for 50/125μm, 850nm
- SMCBLGLC1X
  - 1000BASE-LX
  - LC Singlemode fiber
  - Range: 10Km for 9/125μm, 1310nm
- SMCBG2LC1X
  - 1000BASE-ZX
  - LC single mode fiber
  - Range: 70 to 100Km for 9/125, 1310nm

**Contact**

SMC Networks Asia Pacific
1 Claymore Drive #08-05
Orchard Towers (Rear Block)
Singapore 229594

Authorised Distributor:
Micro-D (M) Sdn Bhd
Tel: 03-7880 6888

Check www.smc-asia.com for your country contact information