SMC’s TigerSwitch 10/100, SMC6724L3, 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 slots on the rear panel that accepts optional 100BASE-FX or 1000BASE-X module. 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 SMC6724L3 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 queueing 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 advanced 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.

### Features
- 24 Auto-MDIX 10/100 ports for easy installation and network integration
- Operating at wire-speed for optimal switching and IP routing performance
- 9.6Gbps non-blocking switching and routing bandwidth
- Support IP, RIP, OSPF routing protocol for routing between subnets and VLANs
- GMRP, IGMP, and DVMRP multicast Protocol supported for today's multimedia application
- System and port security features to protect from intruders
- Optional redundant power supply

### Benefits
- QoS expedites critical data via prioritizing and filtering
- MultiLink Trunking creates high-speed data paths to servers or other switches*
- Support up to 256 IEEE802.1Q VLANs, port and protocol based
- Provide Layer2/3/4 CoS and multicast protocols to reduce multicast traffic for maximum performance
- Rate limiting to provide basic bandwidth management
- SSH, TACACS+, SSL, RADIUS, ACL to prevent unauthorized access

### Compatibility
- IEEE802.3
- IEEE802.3u
- IEEE802.3z
- IEEE802.1d
- IEEE802.1p
- IEEE802.1Q
- IEEE802.3ad
- IEEE802.1w
- IEEE802.1s* (future release)
- IEEE802.1x
TigerSwitch™ 10/100
Standalone L3 Managed 24-Port 10/100 Switch

SMC6724L3

Ports
- 24 auto-MDIX 10BASE-T/100BASE-TX
- RJ-45 ports and 2 slots for 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/ST connector
- 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: 9/125 microns

Switching bandwidth capacity
- 8.8Gbps

Buffer Architecture
- 8Mb shared

Switching Database
- 10BASE-T: RJ-45 UTP CAT. 3,4,5
- 100BASE-TX: RJ-45 UTP Cat. 5
- 100BASE-FX: SC/ST connector
- 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: 9/125 microns

Layer 2: Spanning Tree Protocol
- Fast Spanning Tree 802.1w
- Multiple spanning tree 902.1s
- 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 802.1Q
- VLAN tagging, GVRP for automatic VLAN learning
- Private VLANs
- Quality of Service
- Supports four 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

Layer 3: IPv4 routing
- GMRP (GARP Multicast Registration Protocol)
- IGMP (Internet Group Management Protocol)
- DMVPN (Distance Vector Multicast Routing Protocol)
- PIM-DM (Protocol Independent Multicast-Dense Mode)
- Multi-netting
- Static IP routes
- Supernetting (CIDR)
- IP Redundancy - VRRP (RFC 2338)
- RIP I, II
- OSPF routing
- DHCP/BOOTP
- DHCP Server/client

Switch Features
- In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- CLI, RS-232 DB-9 console port
- SNMP manager
- TFTP in-band or Xmodem out-of-band
- RMON Support
- Groups 1,2,3, 9 (Statistics, History, Alarm, Event)
- NMS
- EliteView

LED
- System: Power, RPU, Diag
- Port: link/activity

Weight
- 5.0Kg (11.02 oz)

Size
- 44.0x 41x 4.4 cm (17.4x17.3x1.7 in)

Temperature
- Operating: 0 to 50°C (32 to 122°F)
- Storage: -40 to 70°C (-40 to 158°F)

Humidity
- Operating: 5% to 95%

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

Power Consumption
- 70W max

Heat Dissipation
- 12BTU/hr

Maximum Current
- 1.2A@ 110VAC, 0.60A @ 240VAC

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 (Statistics, History, Alarm, Event)
- NMS
- EliteView

SDR TLC - The Leading Technology Company

Standards
- RFC2096 RFC2123 standard MIB-II, RFC2131 DHCP server, RFC2233 Interface Group MIB, RFC3238 OSPF, RFC2453 RIP II, RFC2674 Bridge MIB
- RFC2737 Entity MIB, RFC2742 Extensible SNMP Agents MIB, RFC 2787 VRRP MIB, RFC Multicast MIB (GMP MIB, DVMRP MIB), Private MIB (IEEE 802.1w Rapid Reconfiguration Spanning Tree MIB)

Compliances
- CE Mark
- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- VCCI A
- IEC 1000 –4-2/3/4/6

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

Warranty
- Limited Lifetime

Slide-In Module

100Base-FX Extender Module
- Model: SMC6824FMSC
- Ports: 1- 100BASE-FX MMF or SMF

1000Base-X Extender Module
- Model: SMC6824GB
- Ports: (1) 1000BASE-X (1) 1000BASE-T

Product Description

SMC6724L3
- L3 Managed 24 + 2 port 10/100 auto-MDIX Switch

SMC6824GT
- 1-port 1000BASE-T module

SMC6824GB
- 1-port 1000BASE-X module (GBIC Transceiver sold separately)

SMC6824FMSC
- 1-port MMF 100BASE-FX SC module

SMC6824FSSC
- 1-port SMF 100BASE-FX SC module

SMC6824FMST
- 1-port MMF 100BASE-FX SC module with SC-ST converters

SMCBGSSC1X1
- 550m 1000BASE-SX GBIC, based on 50 micron fiber

SMCBGLSC1X1
- 10Km 1000BASE-LX GBIC, based on 9/10 micron fiber

SMCBGZSC1X1
- 100Km 1000BASE-ZX GBIC, based on 9 micron fiber

SMCRFU600W
- Redundant Power Supply to support up to 4 units