TigerSwitch™ 10/100
Standalone L2/L4 Managed 24+2-port 10/100 Switch

Model Number: SMC6724AL2

The TigerSwitch 10/100, SMC6724AL2 features 24 fixed auto-MDIX 10/100BASE-TX ports and 2 slots on the front panel that accepts optional 100BASE-FX or 1000BASE-X module. This TigerSwitch is designed to provide fast networking experience with complete security in today’s fast-paced multimedia environment.

The SMC6724AL2 comes fully-loaded with advanced performance-enhancing features: IGMP snooping maintain available bandwidth by limiting multicast packet transmissions to subscribers only. QoS and Layer 2/4 Class Of Service ensure 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. VLANs with IEEE802.1Q, .1s, and private VLANs for today’s diverse applications. Also included are features such as RADIUS client enhancement for 802.1x, TACACS+, SSH2, SSL, Access Control List (ACL) to address today’s concerns regarding security.

**Features**
- 24 auto-MDIX 10/100 ports with optional 100BASE-FX or 1000BASE-X for easy installation and network integration
- Operating at wire-speed for optimal switching experience
- Private VLANs for complete isolation of ports to protect privacy and security
- Fully featured with security and management tools/protocols

**Benefits**
- Layer 2/4 CoS with IP precedence and IP DSCP to ensure smooth transmission of vital data
- Isolation between ports within the same private VLAN plus support for automatic GVRP LAN registration for maximum security and bandwidth efficiency
- CLI, SMTP, and SNTP are provided to facilitate network management
- Features such as 802.1x, TACACS+ authentication client, SSH for secure Telnet, and SSL address today’s concerns regarding security
- Effective management of bandwidth

**Compatibility**
- IEEE802.3
- IEEE802.3u
- IEEE802.3z
- IEEE802.1d
- IEEE802.1s*
- IEEE802.1P
- IEEE802.1Q
- IEEE802.1x
- IEEE802.1v*
- IEEE802.1ad
- IEEE802.1w
- IEEE802.1x
TigerSwitch™ 10/100
Standalone L2/L4 Managed 24+2-port 10/100 Switch

Product Description

* please contact your SMC sales for availability

SMCBGZSCX1 1000BASE-ZX SC GBIC transceiver
SMCBGLSCX1 1000BASE-LX SC GBIC transceiver
SMCBGSSCX1 1000BASE-SX SC GBIC transceiver
SMC6724AL2GB 1-Port 1000BASE-X GBIC module (transceiver sold separately)
SMC6824GT 1-Port 100/1000BASE-T RJ-45 Module
SMC6824FMST 1-Port 100BASE-FX MMF SC Module+ SC-ST converters
SMC6824FSSC 1-Port 100BASE-FX SMF SC Module
SMC6824FMSC 1-Port 100BASE-FX MMF SC Module
SMC6724AL2 Standalone Layer 2 Managed 24+2 10/100 Switch

2.0A @ 240 VAC
3.0A @ 110VAC,
Maximum Current
205BTU/hr
Heat Dissipation
60W max
Power Consumption

Rack Mounting
17.32” x 12.8” x 1.69” inch
(44.0 x 32.4.0 x 4.3cm)
Size
8.8Gbps
Aggregated Bandwidth

IEEE802.1p priority tags
IEEE802.1d Spanning Tree Protocol
IEEE802.1ad Link aggregation control protocol
IEEE802.1w Fast Spanning Tree
IEEE802.1s Multiple Spanning Tree*
IEEE802.1v Protocol based VLANs*
IEEE802.1x authentication

ISO
ECB802.3
SNMP (RFC 1157), RMON (RFC 1757), ARP (RFC826), IEGMP (RFC1577), IGMP (RFC1112), MIB II (RFC1231), Ethernet-like MIB (RFC1643), Bridge MIB (RFC1493), RADIUS (RFC2618), MAU MIB

Standards
IEEE802.1Q VLAN
IEEE802.1ac VLAN tagging
IEEE802.1ad Link aggregation control protocol
IEEE802.1w Fast Spanning Tree
IEEE802.1s Multiple Spanning Tree*
IEEE802.1v Protocol based VLANs*
IEEE802.1x authentication

Switch Features
Layer 2 Switching:
• Spanning Tree Protocol
• Forwarding mode with support to IEEE802.1w
• 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
• Class of Service
• Supports four levels of priority and weighted fair queuing
• DSCP based Class of Service
• TCP/UDP Port Based Class of Service
• Broadcast storm control
• Link Aggregation
• Port Mirroring
• RADIUS Client Enhancement for 802.1x
• TACACS+ authentication client

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
• System Event log
• MIB Support
• MIB II (RFC1213), Bridging MIB (RFC4943), Ethernet-Like MIB (RFC 1643), RMON MIB (RFC1757), RADIUS authentication client MIB (RFC2618), SMC’s private MIB, Port Entity Access MIB (802.1x), UDP MIB, RFC1850 OSPF II MIB, RFC2096 Forwarding Table MIB, RFC2737 Entity MIB, RFC2742 Extensible SNMP Agents MIB, IP Multicasting related MIBs, IGP MIB, Private MIB, IEEE802.1w Rapid Reconfiguration Spanning Tree MIB

Support
• Groups 1, 2, 3, 9 (Statistics, History, Alarm, Event)

IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet, IEEE802.3z Gigabit
IEEE802.1D Spanning Tree Protocol and traffic priorities
IEEE802.1p priority tags

IEEE802.1Q VLAN
IEEE802.1ac VLAN tagging
IEEE802.1ad Link aggregation control protocol
IEEE802.1w Fast Spanning Tree
IEEE802.1s Multiple Spanning Tree*
IEEE802.1v Protocol based VLANs*
IEEE802.1x authentication

Warranty
• Limited Lifetime

Product
SMC6724AL2
SMC6824FMSC
SMC6824FSSC
SMC6824FMST
SMC6824GT
SMC6724AL2GB
SMCBGSSCX1
SMCBGLSCX1
SMCBGZSCX1
SMCBGZSTCX1
SMCBGZSTCX2
SMCBGZSTCX1

Description
Standalone Layer 2 Managed 24+2 10/100 Switch
1-Port 100BASE-FX MMF SC Module
1-Port 100BASE-FX SMF SC Module
1-Port 100BASE-FX MMF SC Module+ SC-ST converters
1-Port 100/1000BASE-T RJ-45 Module
1-Port 1000BASE-X GBIC module (transceiver sold separately)
1000BASE-LX SC GBIC transceiver
1000BASE-ZX SC GBIC transceiver
1000BASE-2X SC GBIC transceiver

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