Data Sheet

Tiger Switch™ 10/100
SMC6704M

Managed Layer2 Switch with 4 expansion slots

This Modular Switch is a combination of 4-slot host cabinet and optional 4 kinds of media modules. A maximum 32 x 10/100BASE-TX switched ports can be achieved using 4 x 8 port 10/100BASE-TX switch modules. Modular Switch features store-and-forward switching scheme. Every module has its own 12K entry MAC address table to store source address. The backplane of the Modular Switch can reach up to 9.6Gbps as to improving network performance.

Modular Switch with layer 2 management functions, 4 expansion slots can flexible configure your network. The 4 optional modules can be 8-Port 10/100 Auto-sensing Intelligent Switch Module, 2-/4-/8-Port 100 Base-FX Intelligent Fibre Module, Gigabit 1000BASE-T Intelligent Switch Modules, and Gigabit 1000Base-SX/LX Intelligent Fibre Modules. With its build-in Web-based Management, managing and configuring the modular switch becomes easier. From cabinet management to port-level control and monitoring, you can visually configure and manage your network via Web Browser. However, the Modular Switch can also be managed via Telnet, Console, or third-party SNMP Management.

Features and Benefits

High Performance & Functionality

• Conforms to IEEE 802.3, 802.3u, 802.3z, 802.3ab and 802.3x standards
• 4 expansion slots to configure flexible network
• One built-in intelligent module with RS-232 console port (front side)
• Supports half-duplex mode for backpressure, and full-duplex for flow-control
• Store-and-Forward switching architecture for abnormal packet filtering
• Up to 9.6Gbps backplane forwarding rate
• 12K entry MAC address table per Intelligent Module
• 5MB memory buffer for switch and 100M fibre modules, 3MB for Gigabit modules
• LED indicators for Power, Diagnostic, Speed, Link, Activity, Full-Duplex, Collision etc.
• Optional different modules including Gigabit module (SX/LX), Gigabit 1000BASE-T, 8-port auto-sensing 10/100BASE-TX switch module, 2-/4-port 100BASE-FX (ST/SC/MT-RJ/VF-45) fibre module, 8-port 100BASE-FX (MT-RJ/VF-45) fibre module

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<td>SMC6704M</td>
<td>4 slot Layer2 managed Switch</td>
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<td>SMC6704TX</td>
<td>8-port 10/100 BASE-TX</td>
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<td>SMC6704FSSC</td>
<td>4-port 100BASE-FX (single-mode; SC)</td>
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<td>SMC6704MSC</td>
<td>4-port 100BASE-FX (multi-mode; SC)</td>
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<td>SMC6704GSSC</td>
<td>1-port 100BASE-SX (SC)</td>
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<td>SMC6704GLSC</td>
<td>1-port 100BASEe-LX (SC)</td>
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<td>SMC6704GT</td>
<td>1-port 10BASE-T/100BASE-TX/1000BASE-T</td>
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### Features
- Modularized 4 Slots cabinet
- High back-plane bandwidth 10.4Gbps
- Max 32 100FX/100TX ports
- Fully management
- IGMP support for Multi Media application
- Port Mirror
- 8 10/100TX, Gigabit Copper/Fiber, 2/4/8 100FX module supports
- Port Based VLAN /802.10 VLAN
- Class Of service / Port Trunk
- Broadcast Storm Filter
- Type of Service for Quality of Service
- Port security
- Spanning Tree
- SNMP Trap

### Specifications

#### Standard
- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3z Gigabit SX/LX
- IEEE802.3ab Gigabit 1000T
- IEEE802.3x Flow Control and Back pressure
- IEEE802.3ad Port Trunk
- IEEE802.1d Spanning Tree Protocol
- IEEE802.1p Class of service
- IEEE802.1Q VLAN Tagging
- RFC 1213 (MIB II), RFC 1215 Trap (Link Down/Up, Cold/Warm Start, authorization Fail), RFC1493 (Bridge MIB), RFC 2674 (VLAN MIB)

#### Connector
- 8 ports 10/100TX module: RJ-45
- 2/4 ports 100FX(Multi Mode) module: SC or ST
- 2/4 ports 100FX(Single Mode) module: SC
- 8 ports 100FX(multi mode) module: MT-RJ or VF-45
- 1 port Gigabit SX/LX module: SC
- 1 port Gigabit 1000T module: RJ-45

#### Switch Architecture
- Store and Forward, Back-plane 10.4Gbps

#### MAC Address
- 4K Mac with Auto Learning

#### Data Buffer
- 256KBytes for 8 ports TX module
- 4Mbytes for 2/4/8 ports Fiber Module
- 128bytes for Gigabit Module

### Tiger Switch™ 10/100 SMC6704M
- Managed Layer2 Switch with 4 expansion slots

#### Power
- 100~240VAC 50/60Hz

#### Dimension
- 440 x 227 x 66mm

#### EMI & Safety
- FCC Class A, CE & UL, cUL

#### Management
- Telnet management, Java Based Management, In Band Local Console (RS-232)

#### MIBS
- RFC 1213 (MIB II), RFC 1215 Trap (Link Down/Up, Cold/Warm Start, authorization Fail), RFC1493 (Bridge MIB), RFC 2674 (VLAN MIB)

#### Software Upgrade
- TFTP firmware upgrade

#### Port Trunk
- 802.1d with Load distribution control and fail over recover, member up to 8 ports, Trunk group up to 4 Groups.

#### Spanning Tree
- 802.1D support

#### VLAN
- Up to 4 K VLAN ID and for 1Q and Port Based VLAN

#### QoS
- Ip4 type of service, 8 levels for priority queue

#### Class of Service
- Per port Hi/Low queue

#### IGMP
- IGMP Snooping for Multi-Media application

### Port Security
- MAC address number limited
- Static MAC address

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