

## FMG-226TX/SX 6Ports Gigabit Intelligent Switch



### Feature

The FMG-226TX and FMG-226SX support 1000BASE-T and 1000BASE-SX(SC) respectively, serving as ideal network interfaces for heavy-traffic backbones and workgroups that handle high-volume movie data used in multimedia applications. Furthermore, various intelligent features of the Switches enable truly efficient network management.

#### ■ Supports Gigabit Connectivity on All Ports

All ports on the two models support data communication at 1000Mbps. In today's business environments that require sophisticated information processing, the switches are thus the best backbone solutions for networks that handle high-volume and multimedia data.

\*FMG-226TX: Provides six 1000BASE-T ports

\*FMG-226SX: Provides six 1000BASE-SX (SC connector) ports

#### ■ Intelligent Management Features (FMG-226TX/FMG-226SX)

The switches support SNMP, RMON as well as multicast. When combined with Gigabit Intelligent Switches from PLANEX, the switches enable construction of gigabit networks with excellent management features. Further, the network settings can be configured through Telnet, a WWW browser or a PC directly attached to the switches via serial port. The familiar and easy-to-use GUI of the web interface significantly eases network management.

##### \*SNMP (Simple Network Management Protocol)

A set of protocols used to manage TCP/IP-based networks. It is used as a standard protocol for sending management information stored at network devices (agents) such as routers and switches to management systems.

Supported Protocols: MIB II/Ethernet-like MIB/Bridge MIB/Private MIB/RMON MIB

##### \* RMON (Remote Network Monitoring)

A network management protocol used to collect and analyze information on network traffic. The network management protocol SNMP has been expanded to cover functions for managing data traffic on remote networks.

Supported RMON Functions: Statistics/History/Alarm/Event

##### \* Multicast Control

A system for sending data simultaneously to multiple users who are connected to a LAN or the Internet. Unlike broadcast, it sends data only to a specific group of users to reduce network traffic.

Supported Control Protocols: IGMP Snooping/GMRP

**■ Provides Two GBIC Expansion Slots (FMG-226TX/FMG-226SX)**

Optional GBIC modules can be attached to the expansion slots to support 1000BASE-SX(SC) as well as 1000BASE-LX(SC) ports, allowing the switches to establish gigabit networks that utilize fiber-optic cables. Moreover, the GBIC modules conveniently support Hot Swap to facilitate their installation.

**■ VLAN and QoS Improve Network Availability (FMG-226TX/FMG-226SX)**

Fully compliant with IEEE802.1Q VLAN technology, the switches support up to 256 VLAN groups to enable formation of large-scale logical network groups that consist of multiple nodes (PC's). Furthermore, the switches' IEEE802.1p QoS function for prioritizing network traffic enables more flexible network configuration and heightens the availability of network applications including groupware and databases.

**■ Port Trunking (FMG-226TX/FMG-226SX)**

Its Trunk feature combines multiple physical ports (links) to form one logical link, achieving up to 8Gbps of broadband transmission(4 groups, full duplex) between two backbone switches.

**■ Supports IEEE802.1d Spanning Tree (FMG-226TX/FMG-226SX)**

Spanning Tree technology prevents the formation of endless loops even on networks that physically contain loops.

This feature brings two advantages to the attached network, namely:

1. It saves the trouble of physically re-organizing network to remove loops
- 2 The technology provides redundant (backup) paths to be used when the main route fails.

**■ Higher Network Efficiency Achieved via Flow Control (FMG-226TX/FMG-226SX)**

The Switches support Flow Control (Full Duplex: IEEE802.3x, Half Duplex: Back Pressure) which prevents packet losses caused by mismatches between the sending and the receiving speeds (bandwidth). The FMG-226TX/FMG-226SX utilize this technology to establish a highly efficient and reliable networking environment.

**■ Store-and-Forward Blocks Error Packets (FMG-226TX/FMG-226SX)**

The FMG-226TX/FMG-226SX employ Store-and-Forward technology to block error packets within the switches themselves, thereby preventing the generation of unwanted traffic on the network

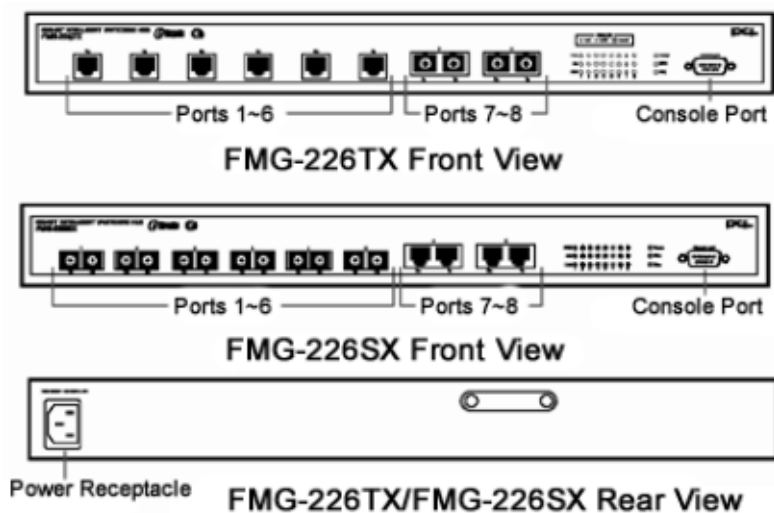
**► Specification**

Model Number	FMG-226SX	FMG-226TX
Access Method	CSMA/CD 1000Mbps	CSMA/CD 1000Mbps
Supported Standards	IEEE802.3xFlow Control IEEE802.3z:1000BASE-SX	IEEE802.3x Flow Control IEEE802.3ab:1000BASE-T
Number of Ports	1000BASE-SX (SC) x 6 GBIC slot x 2	1000BASE-T x 6 (Auto MDI/MDI-X) GBIC slot x 2

<b>Internal Bus Speed</b>	21.3Gbps
<b>Packet Buffer Memory</b>	2MB/port
<b>MAC Address</b>	8000 entries
<b>Network Bridging</b>	Filtering, Forwarding Address-Learning
<b>Data Transfer Mode</b>	Store-and-Forward
<b>Packet Transfer/Filtering Speed</b>	1,488,000pps
<b>SNMP</b>	MIB II Ethernet-like MIB Bridge MIB Private MIB RMON MIB
<b>RMON</b>	Statistics/History/Alarm/Event(1,2,3,9 groups)
<b>Console Port</b>	RS-232 D-sub 9pin
<b>Port Mirroring</b>	Supported
<b>VLAN</b>	IEEE802.1Q Tagged VLAN (256 groups max), GVRP
<b>Trunk</b>	2-4 Port Trunking (4 groups max, 8Gbps at full duplex)
<b>QoS(IEEE802.1p)</b>	IEEE802.1p(2-level QoS)
<b>Spanning Tree</b>	IEEE802.1d
<b>Input Power</b>	AC100 -240V ,50/60Hz
<b>Power Consumption</b>	70W Max
<b>Operating temperature</b>	0-40 degrees Celsius
<b>Operating humidity</b>	35-85 % (Non-condensing)
<b>Dimensions</b>	440(W) x 43(H) x 285(D)mm
<b>Weight</b>	4.6Kg

<b>19" Rack-Mounting</b>	Supported
<b>Warranty period</b>	3 years
<b>EMI</b>	FCC Class A VCCI Class A CE CE Mark
<b>Package Contents</b>	FMG-226TX or FMG-226SX, Serial Cable for Console, Metal Brackets for Rackmounting, Screws, Rubber Footpads, Power Cable, User's Manual (CD-ROM)

**Product View**



**Option Module**



**GBIC-SX-P**

1000BASE-SX(SC Connector)  
GBIC Module(Multi Mode Fiber)  
(Extended module)



**GBIC-LX-P**

1000BASE-LX(SC Connector)  
GBIC Module(Single Mode Fiber)  
(Extended module)