

## FMX-24NW 24Ports 10M/100M Intelligent Switch



### ▶ Feature

The FMX-24NW provides two expansion slots for gigabit connectivity, allowing construction of gigabit networks that support high-speed data transfer between backbone (server) and clients. Its various intelligent functions enable truly efficient network management, while the on-board VLAN features allow for highly flexible network layout.

#### ■ Intelligent Network Management Features

The FMX-24NW supports SNMP, RMON as well as a protocol for controlling multicast packets. When combined with Gigabit Intelligent Switches from PLANEX, the switch thus enables construction of gigabit networks with excellent management features. Further, its network settings can be configured through Telnet, a WWW browser or a PC attached to the switch via its 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 SNMP: 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: 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

#### ■ VLAN and QoS Improve Network Availability

The switch features IEEE802.1Q VLAN supporting up to 256 groups and QoS for prioritizing network traffic. Together, these technologies enable more flexible network configuration and heightens the availability of network applications including groupware and databases.

**Port Trunking**

Its Trunk feature combines multiple physical ports (links) to form one logical link, achieving up to 1.6Gbps of broadband transmission(8 groups, full duplex) between two backbone switches.

**Supports IEEE802.1d Spanning Tree**

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.

**Expansion Slots for Gigabit Connectivity**

The switch comes standard with two expansion slots, and option gigabit modules can be attached to these modules to enable a gigabit network. In this configuration, the switch reserves a 1000Mbps broadband access environment to clear unwanted bottlenecks from the attached network.

**Higher Network Efficiency Achieved via Flow Control**

The Switch supports 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 FMX-24NW utilizes this technology to provide a highly efficient and reliable networking environment.

**Store-and-Forward Blocks Error Packets**

The FMX-24NW employs Store-and-Forward technology to block error packets within the switch itself, thereby preventing the generation of needless traffic on the network

**Specification**

Model Number	FMX-24NW
Access method	CSMA/CD 1000Mbps
Supported Standards	IEEE802.3ab 1000BASE-T IEEE802.3u 100BASE-TX IEEE802.3 10BASE-T IEEE802.3z:1000BASE-SX/LX IEEE 802.1p QoS IEEE 802.1Q VLAN IEEE 802.1d Spanning Tree IEEE802.3x :Flow Control
Number of Ports	100BASE-TX/10BASE-T x24 AutoMDI/MDI-X

<b>Number of Expansion Slots</b>	2
<b>Internal Bus Speed</b>	8.8Gbps
<b>Packet Buffer Memory</b>	1MB
<b>MAC Address</b>	32000 entries
<b>Data Transfer Mode</b>	Store-and-Forward
<b>Packet Transfer/Filtering Speed</b>	1000BASE-T: 1488,000pps/port 100BASE-TX: 148,800pps/port 10BASE-T: 14,880pps/port
<b>Flow control</b>	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
<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>Configuration Interface</b>	Serial console (RS-232 D-sub 9pin), Telnet , Web browser
<b>Console Port</b>	RS-232 D-sub 9pin
<b>Port Mirroring</b>	Supported
<b>Trunk</b>	2-8 Port Trunking (12 groups max, 1.6Gbps at full duplex)
<b>Link Aggregation (LACP)</b>	IEEE802.1Q Tagged VLAN (256 groups max), GVRP
<b>QoS(IEEE802.1p)</b>	IEEE802.1p(2-level QoS)
<b>Multicast Control</b>	IGMP Snooping, GMRP
<b>Spanning Tree</b>	IEEE802.1d
<b>Input Power</b>	100- 240 VAC ,50/60 Hz
<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>	5.1 Kg
<b>19" Rack-Mounting</b>	Supported
<b>Warranty period</b>	3 years

<p><b>EMI</b></p>	<p>FCC Class A VCCI Class A CISPR Class A</p>
<p><b>Package Contents</b></p>	<p>FMX-24NW, Serial Cable for Console, Metal Brackets for Rackmounting, Screws, Rubber Footpads, Power Cable, User's Manual (CD-ROM)</p>

► Specification

