

FMX-24NZ 24Ports 10M/100M Intelligent Switch



▶ Feature

FMX-24NZ is a high performance web-managed SNMP Layer 2 switch that provides users with switched 24 x 10/100 Mbps Ethernet and one expansion slot for gigabit connectivity. It is suitable for company to build network not only at beginning phase but also expanding in the future. Web / SNMP management and remote control capability plus variety of functional modules make user feel easy and wonderful with these series products.

■ Intelligent Network Management Features

The FMX-24NZ supports SNMP and RMON as well as a protocol for controlling multicast packets. When combined with other intelligent switch products, the switch allows the construction of networks supporting superior management functions. Network configuration can be performed Internet browser as well as the console serial port of FMX24NZ. The web browser interface eases network management via its GUI-based configuration screens.

* 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 features MIB II / Ethernet-like MIB / Bridge 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 features 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 include IGMP Snooping.

■ Support Rate Limiting

Featuring the rate limiting of bandwidth flow management. This specific function can be set up in Ingress or Egress per every 10/100 Mbps port and make suitable adjustment for the bandwidth flow from 1 MB to 100 MB.

■ 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

Port Trunking features combine multiple physical ports (links) to form one logical link, achieving up to 800Mbps of broaden transmission 7 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 reorganizing network to remove loops.
2. The technology provides redundant (backup) paths to be used when the main route fails.

■ Expansion Slots for Gigabit / Fiber Connectivity

The switch comes standard with one expansion slot, and optional gigabit modules can be attached to these modules to enable a gigabit network. In this configuration, the switch reserves a 1000 Mbps 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-24NZ utilizes this technology to provide a highly efficient and reliable networking environment.

■ Store-and-Forward Blocks Error Packets

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

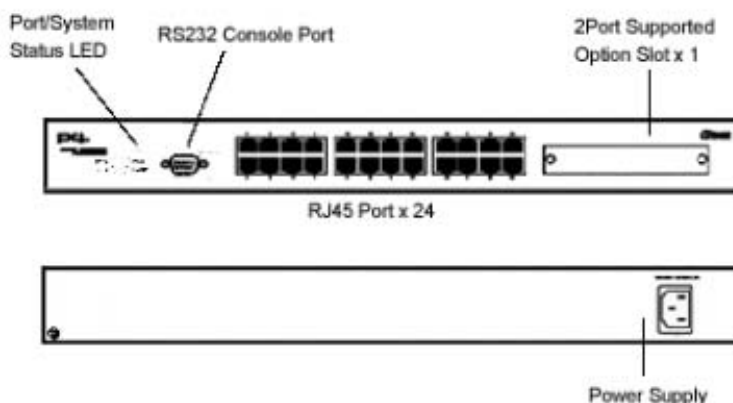
▸ Specification

Model Number	FMX-24NZ
Access method	CSMA/CD 10/100Mbps
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 Tag VLAN IEEE 802.1v: Protocol based VLAN IEEE 802.1d: Spanning Tree IEEE802.3x: Flow Control
Number of Ports	100BASE-TX / 10BASE-T x 24 Auto MDI / MDI-X

Number of Expansion Slots	1
Internal Bus Speed	8.8 Gbps
Packet Buffer Memory	384KB
MAC Address	6000 entries
Data Transfer Mode	Store-and-Forward
Packet Transfer/Filtering Speed	1000BASE-T: 1488,000 pps / port 100BASE-TX: 148,800 pps / port 10BASE-T: 14,880 pps / port
Flow control	Full Duplex: IEEE802.3 x / Half Duplex: Back Pressure
SNMP	MIB II Ethernet-like MIB Bridge MIB RMON MIB
RMON	Statistics/History/Alarm/Event(1,2,3,9 groups)
Configuration Interface	Serial console (RS-232 D-sub 9 pin), Telnet, Web browser
Console Port	RS-232 D-sub 9pin
Port Mirroring	Supported
VLAN	IEEE802.1Q Tagged VLAN (256 Groups Max) / GVRP
Trunk	2-4 Port Trunking (7 Groups Max / 800 Mbps at Full Duplex)
QoS(IEEE802.1p)	IEEE802.1p(2-level QoS)
Multicast Control	IGMP Snooping
Spanning Tree	IEEE802.1d
Input Power	100 ~ 240V AC , 50/60 Hz
Power Consumption	30W Max.
Operating temperature	5 ~ 45 Degrees Celsius
Operating humidity	10 ~ 90% (Non-Condensing)
Dimensions	440(W) x 44(H) x 184(D) mm.
Weight	2.3 Kg
19" Rack-Mounting	Supported
Warranty period	3 years
EMI	FCC Class A

	VCCI Class A CE Mark
Package Contents	FMX-24NZ, Serial Cable for Console, Metal Brackets for Rackmounting, Screws, Rubber Footpads, Power Cable, User's Manual (CD-ROM).

Product View



■ FMX-24NZ (Front/Rear View)

Option Module

- F24M-2TE : 1000BASE-T 2 Ports
- F24M-1SX : 1000BASE-SX(SC) 1 Port Multi-Mode
- F24M-1LX : 1000BASE-LX (SC) 1 Port Single-Mode
- F24M-2SX : 1000BASE-SX(SC) 2 Ports Multi-Mode
- F24M-2LX : 1000BASE-LX (SC) 2 Ports Single-Mode
- F24M-1MMGB : Mini-GBIC Multi-Mode 1 Port (Built in Mini-GBIC Connector)
- F24M-1SMGB : Mini-GBIC Single-Mode 1 Port (Built in Mini-GBIC Connector)
- F24M-2MMGB : Mini-GBIC Multi-Mode 2 Ports (Built in Mini-GBIC Connector)
- F24M-2SMGB : Mini-GBIC Single-Mode 2 Ports (Built in Mini-GBIC Connector)
- F24M-1TE1MMGB : 1000BASE-T 1 Port plus GBIC Multi-Mode 1 Port (Built in GBIC Connector)
- F24M-1TE1SMGB : 1000BASE-T 1 Port plus GBIC Single-Mode 1 Port (Built in GBIC Connector)
- F24M-1TE1SX : 1000BASE-T 1 Port plus 1000BASE-SX(SC) 1 Port Multi-Mode
- F24M-1TE1LX : 1000BASE-T 1 Port plus 1000BASE-LX(SC) 1 Port Single-Mode
- F24M-100FX-M : 100BASE-FX(SC) 1 Port Multi-Mode
- F24M-100FX-S : 100BASE-FX (SC) 1 Port Single-Mode
- F24M-200FX-M : 100BASE-FX(SC) 2 Port Multi-Mode
- F24M-200FX-S : 100BASE-FX (SC) 2 Port Single-Mode