

FMX-24P 24Ports 10M/100M PoE Support Intelligent Switch



QoS

Store & Forward

RMON

Spanning Tree

VLAN

SNMP

19" Rack Mount

Feature

The FMX-24P intelligent switch comes equipped with twenty-four 10/100BASE-TX ports. It also supports PoE feature, which enables the delivery of power and data via a single ethernet cable, thus eliminating the need to locally power remote device. This is a great advantage allowing flexible network layout even in situations power is not accessible (IP phone, wireless access point, monitoring cameras).

■ Supports PoE(Power over Ethernet)

The FMX-24P implements IEEE 802.3af PoE feature, which enables supplying the switch's power and data via a single ethernet cable. The device that is PoE compatible requires no local power supply, which reduces cabling and outlet requirements. This significantly enhances installation flexibility, and also makes maintenance easier. The PoE solution frees from worries about blackouts simplifying operation of many devices, such as IP phone for example.

(UPS:uninterruptible power supply system required)

■ Intelligent Management Features

The product supports SNMP, RMON as well as a protocol for controlling multicast packets. Network configuration can be performed via Telnet, Web browser, and also the product's console serial port.

*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 (managers).

Supported Protocols:MIB-II/SNMPv2-MIB/Bridge MIB/RMON MIB/
IEEE802.1q MIB/Entity MIB/IF-MIB/Ether-Like 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 so as to cover functions for managing data traffic on remote networks.

Supported RMON Functions:Statistics/History/Alarm/Event

■ VLAN and QoS Improve Network Availability

Fully compliant with IEEE802.1Q VLAN technology, the product supports up to 256 VLAN groups allowing the formation of large-scale logical network groups that consist of multiple nodes (PC's). Furthermore, the product complies with IEEE802.1p QoS to control the quality of data communication. By prioritizing network traffic, QoS reserves communication band to increase

the availability of network applications including groupware and databases.

■ Supports IEEE802.1d Spanning Tree Protocol

The FMX-24P supports IEEE802.1d Spanning Tree Protocol, which prevents the creation of network loops. The two major advantages of it are: 1) no need to reorganize the network as infinite loops are eliminated; 2) if a failure of any kind should occur, an alternate redundant connection path is reserved and activated.

■ Store-and-Forward Blocks Error Packets

The product utilizes Store-and-Forward technology to block erroneous packets within the switch itself, thereby preventing the generation of unwanted traffic on the network.

► Specification

Model Number	FMX-24P
Access method	CSMA/CD 10/100Mbps
Supported Standards	IEEE802.3u 100BASE-TX IEEE802.3 10BASE-T IEEE802.3af PoE IEEE802.1Q TaggingVLAN IEEE802.1p QoS IEEE802.1d Spanning Tree
Number of Ports	100BASE-TX/10BASE-T x 24(Autonegotiation AutoMDI/MDI-X)
Internal Bus Speed	4.8Gbps
Packet Buffer Memory	8MB
MAC Address	8000 entries
Data Transfer Mode	Store-and-Forward
Packet Transfer/Filtering Speed	100BASE-TX 148,810pps each port 10BASE-T 14,880pps each port
SNMP	MIB-II SNMPv2-MIB Bridge MIB RMON MIB IEEE802.1q MIB Entity MIB IF-MIB Ether-Like MIB
RMON	Statistics/History/Alarm/Event(1,2,3,9 groups)

PoE	Supported (IEEE802.3af)
Configuration Interface	Serial console(RS-232 D-sub9pin), Telnet
Console Port	RS-232 D-sub 9pin
Port Mirroring	Supported
VLAN	IEEE802.1Q TaggingVLAN(255 groups max.),GVRP
QoS(IEEE802.1p)	IEEE802.1p compliant (4-level)
Multicast Control	
Spanning Tree	Supported (IEEE802.1d)
Input Power	Internal power supply (100-240 VAC,50/60Hz)
Power Consumption	200W Max
Operating temperature	0 to 40 degrees Celcius
Operating humidity	35% to 85%(Non-condensing)
Dimensions	441(W) x 44(H) x 387(D)mm
Weight	5.1kg
19" Rack-Mounting	Supported
Warranty period	3 Year (Power supply and Fan portion:1Year)
EMI	VCCI Class A
Package Contents	Serial Cable, Metal Brackets for Rack-Mounting, Screws, Rubber Footpads x 4 Power Cable, User's Manual(CD-ROM)