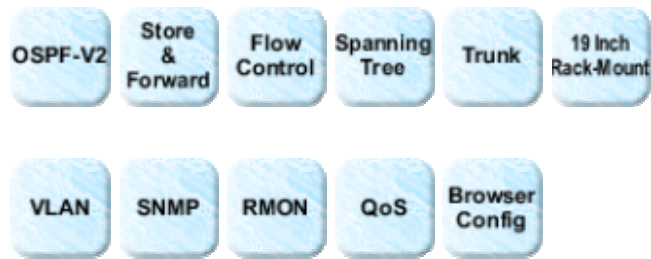


FML-24NX 24Ports 10M/100M Layer3 Intelligent Switch



▶ Feature

■ Achieves wire speed, non-blocking fast routing

The FML-24NX utilizes the latest switch chipsets to enable fast routing at wire speed. The packet relay process is now performed by ASIC (application specific IC). Compared with routers, the amount of packets relayed per unit of time has been significantly improved. No packet loss takes place even when packets are transmitted at the maximum speed of LAN (wire speed). The FML-24NX has thus overcome and even eliminated the possibility of "relay devices becoming bottlenecks in the network" which tends to accompany traditional situations where routers are used for relaying packets.

■ Expansion slots for 1000BASE-SX

In addition to the on-board twenty-four 10/100BASE ports, the product offers two expansion slots that accommodate the option board F24NX-1SX. Thus the switch supports up to two additional 1000BASE-2X ports. By installing and connecting the 1000BASE-SX ports to network backbone or servers (where network traffic is the densest), the user can remove bottlenecks from networks to achieve highly responsive network environments.

■ Enables network configuration via a WWW browser/ RMON lessens administrator's workload

In addition to the traditional command-based network configuration mode, the switch provides a web based configuration mode in which the user can configure the network via graphical and easy-to-use HTML windows on a WWW browser. Furthermore, the on-board RMON (Remote Network Monitoring) feature allows the administrator to remotely collect and analyze network traffic, simplifying the management of communication status.

■ Controls Multicast Packet Paths

Unlike traditional low-end Layer 3 switches, the FML-24NX is capable of controlling the paths (routes) of multicast packets. The switch supports GVRP, IGMP (v2), IGMP (Snooping) as well as DVMRP protocols.

■ Supports Routing Protocols

As routing protocols for TCP/IP, the switch supports IP Static as well as RIP v1/v2.

This way, the product supports subnet mask and implements the concepts of "area" and hierarchical structure to reduce the size of routing information. All these new features give rise to more efficient packet routing.

- Complies with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards
- Equipped with twenty four 100BASE-TX/10BASE-T RJ-45 STP ports
- Provides two expansion slots for 1000BASE-SX/LX and 1000BASE-T (soonest support) option modules

- Supports Auto-Negotiation: automatically detects data transfer speed (100/10Mbps) as well as duplex mode (full/half duplex)
- Automatically recognizes cable type (straight-through/ crossover) via AutoMDI
- Supports a total of 9.6Gbps bandwidth
- On-board MAC address table: automatically learns up to 32k MAC addresses
- Equipped with an IP address table: automatically learns up to 64k IP addresses
- Generates and supports up to 26 IP subnets
- 4MByte packet buffer
- Supports Flow Control (full duplex: IEEE802.3x, half duplex: back pressure)
- Rack-mountable to a standard 19" rack
- IEEE802.1QVLAN compliant (Layer 2 Mode: 256 groups, Multilayer Mode: 26 groups)
- IEEE802.1Q/p compliant: enables 2-level priority management
- IEEE802.1d Spanning Tree compliant
- Supports 2/4/8-port Trunk
- Supports GVRP/IGMP V. 2/IGMP Snooping /DVMRP multicast protocols
- Supports RIPv1 and RIPv2
- Supports OSPF-V2
- Supports network management via SNMP, Web (browser) and Telnet
- Supports MIB2, EthernetMAU, Bridge, Private, RIP2 MIB, IP Forwarding Table, IGMP, DVMRP, and IP Multicast Router MIB
- Supports 4 groups of RMON, namely: Statistics, History, Alarm and Event
- Supports firmware upgrade via a TFTP server
- On-board TFTP client enables uploading and downloading of configuration files
- Supports MAC- and IP address filtering
- Provides one RS-232C console port (D-sub 9pin) for network management

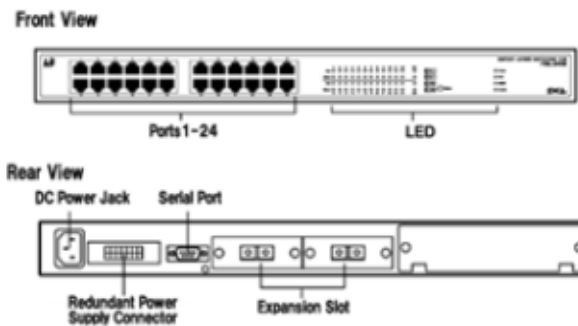
► Specification

Model Number	FML-24NX
Access Method	CSMA/CD 10/100/1000Mbps
Supported Standards	IEEE802.3ab 1000BASE-T IEEE802.3u 100BASE-TX IEEE802.3 10BASE-T IEEE802.3z:1000BASE-SX/LX
Number of Ports	100BASE-TX/10BASE-T x 24 AutoMDI/MDI-X
Number of Expansion Slots	2(1000BASE-T/SX/LX)

Internal Bus Speed	9.6Gbps
Packet Buffer Memory	4MB
MAC Address	32000 entries
IP addresses	64K
Latency	10.0us
Data Transfer Mode	Store-and-Forward
Packet Transfer/Filtering Speed	1000M-1000M 1,488,095pps(64Byte) 100M-100M 148,810pps(64Byte) 10M-10M 14,881pps(64Byte)
Flow control	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
SNMP	MIB2 EthernetMAU Bridge Private RIP2 MIB IP Forwarding Table OSPF IGMP DVMRP IP Multicast Router MIB
RMON	Statistics/History/Alarm/Event(1,2,3,9 groups)
Routing Protocol	IP Static RIPv1/v2 ,OSPF-V2
Configuration Interface	Serial console(RS-232 D-sub9pin), Telnet, Web browser
Console Port	RS-232 D-sub 9pin
Port Mirroring	Supported
VLAN	IEEE802.1q port-based VLAN (256 groups), VLAN Tagging
Trunk	Trunk 100M: 2-8 Trunk (12 groups max.) 1000M: 2Trunk
QoS(IEEE802.1p)	IEEE802.1p(2-level QoS)
Multicast Control	IGMP(v2),IGMP(Snooping) DVMRPPClass D subnet:64k
Spanning Tree	IEEE802.1d
Input Power	AC100 -240V ,50/60Hz
Power Consumption	60W Max

Operating temperature	0-45 degrees Celsius
Operating humidity	35-85% (Non-condensing)
Dimensions	253.2(W) x 44.5(H) x 440(D)mm
Weight	3.8kg
19" Rack-Mounting	Supported
Warranty period	3 years
EMI	FCC Class A CE VCCI 1
Safety Standards	cUL
Package Contents	FML-24NX, RS-232C Cable, Power Cable, Metal Brackets x 2 for rackmounting, screws, rubber footpads x 4, User's Manual

▶ **Product View**



▶ **Option Module**

1000BASE-SX(SC) x1 Port

F24NX-1SX



1000BASE-LX(SC) x1 Port

F24NX-1LX



1000BASE-T x1 Port

F24NW-1TE

