



16Ports 10M/100M Switch **FX-16IM**

Store&Forward

Flow Control

AutoNegotiation

Internal Power Supply

LED

Feature

All ports on the FX-16IM support AutoMDI/MDI-X and automatically detect the straight/crossover cable type of the attached cable. Its metal body facilitates heat dissipation while the fan-less design ensures the product's silent operation. The internal power supply unit eliminates the need for a bulky AC adapter that tends to occupy multiple slots on a power strip.

■ All ports support Auto MDI/MDI-X

Since all ports on the FX-16IM support Auto MDI/MDI-X and thus automatically detect the crossover/straight cable type of the attached cable, the product prevents cabling problems caused by straight/crossover mismatch between the switch and another device. This feature also allows the user to use a straight cable (rather than a crossover cable) to cascade the product to another switch.

■ Its metal body facilitates heat dissipation

The product's metal chassis enables easy heat dissipation, and its fan-less "silent" design simply eliminates the fan noise problem.

■ High communication efficiency achieved via Flow Control

The FX-16IM supports Flow Control (IEEE802.3x in full duplex mode, Back Pressure in half duplex mode). In ordinary switches, a concentration of traffic on a specific port leads to severe performance degradation since free buffer memory and the bandwidth of the port decrease, disabling smooth retrieval and storage of frames in the buffer memory. Excess packets are discarded, causing frame losses. On the other hand, the FX-16IM uses Flow Control to stop the transmission of signals on the attached devices to directly eliminate the bandwidth mismatch problem.

■ Store-and-Forward blocks error packets

The switch first stores received data frames in a buffer memory, and then uses FCS (Frame Check Sequence) at the end of the frames to check for errors (thus called "Store and Forward"). Since frames with errors are removed within the switch, this scheme prevents the generation of unwanted network traffic.

■ Supports Auto-Negotiation

Its built-in Auto-Negotiation function automatically detects the best data transfer rate and transfer mode (Full/Half Duplex) for the communication between the switch and the target device.

■ Supports Wall-Mounting

To save your installation space, simply use the supplied wall-mounting kit to install the product onto the wall surface.

Specifications

Product Model Number	FX-16IM
Access Method	CSMA/CD
Standards Conformance	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x Flow Control
Supported Media	UTP/STP Cable 100Mbps: Category 5 or greater 10Mbps:Category 3 or greater
Number of Ports	10/100BASE-TX x 16 ports (All ports support Auto-Negotiation and Auto MDI/MDI-X)
Mac Address	4000
Internal Bus Speed	3.2Gbps
Data Transfer Rate/Mode	10Mbps/100Mbps, Full/Half Duplex (Automatically detected via Auto-Negotiation)
LED Indicators	Power, Link/Act/100M
Switching Scheme	Store-and-Forward
Flow Control	Full Duplex: IEEE802.3x, Half Duplex: Back Pressure
Network Bridging	Filtering, Forwarding and Address-Learning
Power Supply	Internal (Power Input: AC 100 - 240, 50/60 Hz)
Power Consumption	17W max.
Operating Temperature	0 to 40 degrees Celsius
Operating Humidity	35 - 85 % (non-condensing)
Dimensions	225(W) x 38(H) x 150(D)mm
Weight	1.65kg
EMI	VCCI Class B, FCC Class B, CE
Package Contents	FX-16IM, power cable, User's Manual, rubber footpad x 4, wall-mounting plug x 2 and wall-mounting tapping screw (diameter = 3.5mm, length = 16mm) x 2

▼ Product view

