



## 24Ports 10M/100M Switch **FX-24IM**

Store&Forward

Flow Control

AutoNegotiation

Internal Power Supply

LED

### Feature

All ports on the FX-24IM support Auto MDI/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-24IM 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-24IM 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-24IM 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 use 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

|                                |  |
|--------------------------------|--|
| <b>Product Model Number</b>    | <b>FX-24IM</b>   |
| <b>Access Method</b>           | CSMA/CD  |
| <b>Standards Conformance</b>   | IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x Flow Control               |
| <b>Supported Media</b>         | UTP/STP Cable 100Mbps: Category 5 or greater 10Mbps:Category 3 or greater        |
| <b>Port Configuration</b>      | 10/100BASE-TX x 24 ports (All ports support Auto-Negotiation and Auto MDI/MDI-X) |
| <b>Data Transfer Rate/Mode</b> | 10Mbps/100Mbps, Full/Half Duplex (Automatically detected via Auto-Negotiation)   |
| <b>LED Indicators</b>          | Power, Link/Act/100M   |
| <b>Mac Address</b>             | 4000   |
| <b>Internal Bus Speed</b>      | 4.8Gbps  |
| <b>Switching Scheme</b>        | Store-and-Forward  |
| <b>Flow Control</b>            | Full Duplex: IEEE802.3x, Half Duplex: Back Pressure                              |
| <b>Network Bridging</b>        | Filtering, Forwarding and Address-Learning                                       |
| <b>Power Supply</b>            | Internal (Power Input: AC 100 - 240, 50/60 Hz)                                   |
| <b>Power Consumption</b>       | 21W max.   |
| <b>Operating Temperature</b>   | 0 to 40 degrees Celsius  |
| <b>Operating Humidity</b>      | 35 - 85 % (non-condensing)   |
| <b>Dimensions</b>              | 279(W) x 44.5(H) x 152.4(D)mm  |
| <b>Weight</b>                  | 2.01kg   |
| <b>EMI</b>                     | VCCI Class B, FCC Class B, CE  |

**Package Contents**

FX-24IM, 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

