

FX-05Mini 5Ports 10M/100M Switch



▶ Feature

The FX-05Mini achieves the compact cigarette-box size while retaining all the functions provided in our existing 5-port switch products. Furthermore, it can be used in rooms with limited number of power outlets as it supports USB bus powered operation.

■ All ports support Auto MDI/X

Since all the five ports on the FX-05Mini support Auto MDI/MDI-X, the product automatically detects straight/crossover cable type and prevents cable-related errors caused by cable type mismatch. Although a crossover cable is usually used to cascade two switches, Auto MDI/MDI-X lets you use a more popular straight through cable.

■ Store-and-Forward blocks error packets

The FX-05Mini utilizes Store-and-Forward switching scheme, in which incoming data frames are first stored in buffer memory. The switch then uses FCS (Frame Check Sequence) at the end of the frames to check for errors. Since frames with errors are removed within the switch, the scheme prevents the generation of unwanted network traffic.

■ Higher data transfer efficiency achieved via Flow Control

The product achieves highly reliable and much more efficient data transfer as the on-board Flow Control function (IEEE802.3x in full duplex mode, Back Pressure in half duplex mode) prevents the occurrence of overflow, a state in which packets sent and received in excess of buffer memory capacity are destroyed.

■ Auto-Negotiation enabled on all ports

The built-in Auto-Negotiation feature automatically selects the best data transfer rate (10/100Mbps) and mode (Full/Half Duplex) for communication between the switch and another networking device.

■ Supports USB bus-powered operation

When the supplied USB power cable is used, the product can directly draw its power from a USB port on your PC. The product can thus be used in rooms with limited number of power outlets (for network devices).

■ **Compact chassis**

The product achieves unmatched compact size for a switch with fully functional five ports.

■ **Metal chassis adds superb heat dissipation capacity**

Its metal body enables efficient heat dissipation. Since no fan is used inside the switch, the multi-port ultra compact switch does not emit any irritating fan noise. Furthermore, the bottom magnet of the chassis enables side-mount installation of the switch on your steel desk, etc.

► **Specification**

Model Numbe	FX-05Mini
Access Method	CSMA/CD 10/100Mbps
Supported Standards	IEEE802.3u 100Base-TX IEEE802.3 10Base-T 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 5 ports (All ports support Auto MDI/MDI-X) RJ-45 connector
Data Transfer Rate	100BASE-TX 100/200Mbps (Half/Full Duplex), 10BASE-T 10/20Mbps (Half/Full Duplex), Auto-detection via Auto-Negotiation
MAC Address	1024 entries
Internal Bus Speed	1Gbps
LED	Link/Act
Packet Buffer Memory	4Mb
Transfer Mode	Store-and-Forward
Flow Control	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
Magnet	Magnet on the bottom face
Power Input	AC power adapter
Power Consumption	1.8W Max
Current Consumption	DC5V 300mA
Operating Temperature	0 to 40 degrees Celsius
Operating Humidity	10 to 90% (Non-condensing)
Dimensions	79(W) x 20(H) x 62(L) mm

Weight	175g
EMI	FCC Class B, VCCI Class B, CE
Package Contents	5-port switch, AC power adapter, USB power cable, warranty card, safety note

▶ Connection Sample

