



5Ports 10M/100M Switch **FX-05P2**

Store&Forward

Flow Control

AutoNegotiation

AC Adapter

Fan-less

Magnet on the Bottom

POCKETCH

Feature

■ All ports support AutoMDI/X

All of the five ports on the FX-05P2 support Auto MDI/MDIX, a built-in function that automatically recognizes the type (straight/crossover) of the attached cable. This feature effectively removes all wiring troubles caused by a cable type mismatch. Although a cross-over cable is usually required to cascade a switch to another switch, Auto MDI/MDI-X lets you use a normal straight cable to do the task.

■ Store-and-Forward blocks error packets

The FX-05P2 utilizes Store-and-Forward switching scheme, in which incoming data frames are first stored in a 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.

■ High communication efficiency achieved via Flow Control

The FX-05P2 supports Flow Control (IEEE802.3x in full duplex mode, Back Pressure in half duplex mode). In the case of 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 on the buffer memory. Excess packets are discarded, causing frame losses. On the other hand, the FX-05P2 uses Flow Control to stop the transmission of signals on the attached devices to directly eliminate bandwidth mismatches

In full duplex mode, the switch uses IEEE802.3 flow control to send a pause signal to the attached computer, causing the PC to stop sending signals.

In half duplex mode, the switch uses Back Pressure, a flow control scheme that stops signal transmission from the attached PC by sending virtual jam signals to create a state of data collision.

■ Extra slim body (with rubber footpads and magnets on the base), fan-less, noiseless design

Its compact body with dimensions of 82mm (W) x 66m(D) x 20mm(H) takes little space. Furthermore, the switch operates quietly as it uses no internal fans.

■ **Supplied with a compact, lightweight AC adapter**

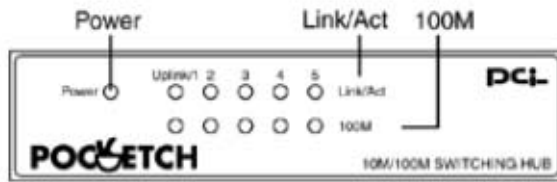
The size of the AC adapter has been cut to just one thirds of conventional model. It thus takes less space on a wall outlet or power strip, giving room for other electrical appliances. The lightweight adapter is also easily portable.

Specifications

Product Model Number	FX-05P2
Access Method	CSMA/CD 10/100Mbps
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 5 ports (all ports support AutoMDI/X) RJ-45 connector
Mac Address	2000
Internal Bus Speed	1Gbps
Speed Adjustment	AutoNegotiation
LED Indicators	Power ,Link/Act ,FDX/Col.
Network Bridging Features	Filtering, Forwarding, Address-Learning
Switching Scheme	Store-and-Forward
Flow Control	Full Duplex: IEEE802.3x, Half Duplex: Back Pressure
Power Input	AC100 -120V ,50/60Hz
Power Consumption	5W Max. *Supplied with a compact AC adapter
Operating Temperatures	0 - 40 degrees Celsius
Operating Humidities	35 - 85 % (non-condensing)
Dimensions	82(W) x 20(H) x 66(D)mm
Weight	178g
EMI	FCC/CE ClassB
Package Contents	FX-05P2, AC adapter, magnets and rubber footpads on the base

▼ Product view

■ POCKETCH Front View



[Power LED]

The LED illuminates when the switch is turned on.

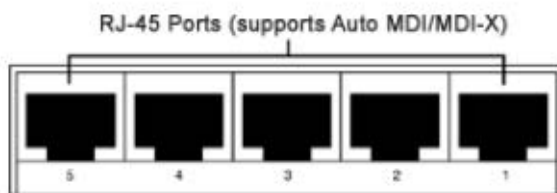
[Link/Act LED]

The LED glows when a data link is established, and flashes while receiving or sending data.

[100M LED]:

100BASE-TX link : ON 10BASE-T link: OFF

■ POCKETCH Rear View



[Ports 1-5]

: RJ-45 ports that automatically detect straight/cross-over cable types.

[DC Power Jack] (on the side)

: The supplied AC power adapter attaches to this jack.