

## FX-08PD

### 8Ports 10M/100M Switch (PoE Support)

When combined with a PoE power source device, the FX-08PD performs data communication and receives power via a single LAN cable. Install the product in offices with limited power outlets to save the cost of hooking up extra power sources/outlets.



#### Feature

Flow Control

Store & Forward

Auto Negotiation

Fan-less

#### ■ IEEE802.3af compliant PoE (Power over Ethernet) powered device

The switch is an IEEE 802.3af compliant PoE powered device. When connected to a PoE power source device such as our "FMX-24P" or "S-0808P", the product is capable of performing data communication as well as receiving power via a single Ethernet cable. Since the switch can be installed at places that lack power outlet, it dramatically enhances layout flexibility. Furthermore, you can attach the supplied AC power adapter to the product to use it as an ordinary switch.

#### ■ All ports support Auto MDI/MDI-X

Since all ports on the FX-08PD support Auto MDI/MDI-X, the product automatically detects straight/crossover cable type and prevents cable-related errors caused by cable type mismatch.

#### ■ Store-and-Forward blocks error packets

The FX-08PD 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.

#### ■ 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.

#### ■ Fanless, noiseless design

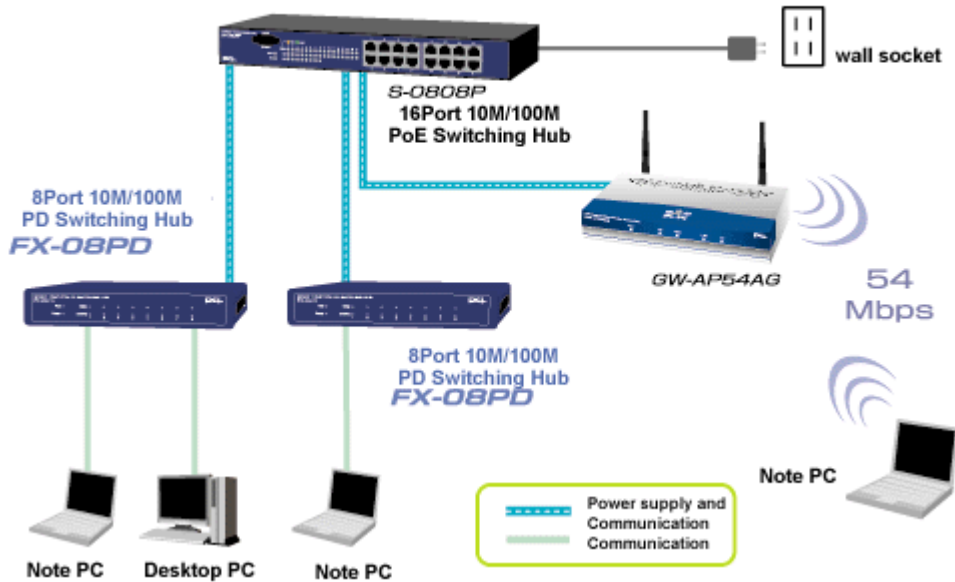
Since no fan is used inside the switch, the product does not emit any irritating fan noise

#### ■ Built-in magnet, metal for wall-mounting

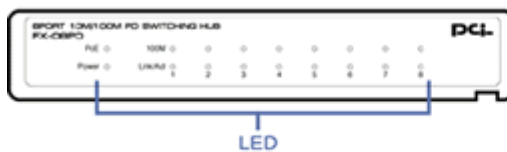
The bottom magnet of the chassis enables side-mount installation of the switch on your steel desk, etc. The product is also supplied with a metal plate for wall mounting on non-metal surface.

▶ Connection Sample

 **FX-08PD Connection Sample**



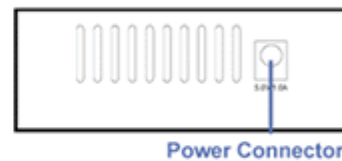
**Front side**



**Back side**



**Side**



▶ Specification

<b>Model</b>	<b>FX-08PD</b>
<b>Access Method</b>	CSMA/CD 10/100Mbps
<b>Supported Standards</b>	IEEE802.3u 100Base-TX IEEE802.3 10Base-T IEEE802.3x Flow Control IEEE802.3af Power over Ethernet
<b>Supported Media</b>	UTP/STP Cable 100Mbps:Category 5 or greater 10Mbps:Category 3 or greater
<b>Number of Ports</b>	10/100BASE-TX x 8 (*) (AutoMDI/MDI-X ready), * One of the 8 ports is disabled when PD port

	is in use, PD port (PoE powered port) 10/100BASE-TX x1 (for UPLINK) RJ-45 connector
<b>Data Transfer Rate</b>	100BASE-TX 100/200Mbps (Half/Full Duplex), 10BASE-T 10/20Mbps (Half/Full Duplex), Auto-detection via Auto-Negotiation
<b>MAC Address</b>	1024 entries
<b>Internal Bus Speed</b>	1.6Gbps
<b>LED</b>	PD Power, Power, 100M, Link/Act
<b>Packet Buffer Memory</b>	4Mb
<b>Transfer Mode</b>	Store-and-Forward
<b>Packet Transfer/Filtering Rate (64byte)</b>	100BASE-TX 148,800pps/port, 10BASE-T 14,880pps/ port
<b>Flow Control</b>	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
<b>Magnet</b>	Preinstalled on the bottom
<b>Wall-Mounting</b>	Supported (wall-mounting plate included)
<b>Power Input</b>	100V AC, 5V DC 720mA
<b>Power Consumption</b>	3.6W Max (when AC adapter is in use)
<b>Operating Temperature</b>	0 to 40 degrees Celsius
<b>Operating Humidity</b>	10 to 90% (Non-condensing)
<b>Dimensions</b>	144.4(W) x 26(H) x 97(L) mm
<b>Weight</b>	250g
<b>EMI</b>	FCC Class A, VCCI Class A, CE
<b>Package Contents</b>	FX-08PD, AC adapter (short cord included), Rubber footpad x 4, Magnet (preinstalled on the bottom surface), Wall-mount kit (metal board, screw x 2), Users manual CD-ROM, Warranty card/Safety instructions