8-Port 10/100Mbps Fast Ethernet Switch with 802.3af splitter built-in

The PLANET FSD-803PE is a cost effective 8-Port switch with 1-Port 802.3af splitter built-in. The 8-Port switch provides eight 10/100Mbps Fast Ethernet interfaces that can be directly installed as a small workgroup. Port#1 of the FSD-803PE also supports 803.3af Power over Ethernet Standard.

Support dual power system, FSD-803PE either can be powered by 12VDC from the local AC outlet, or can be powered remotely through 802.3af Power over Ethernet standard. Port# 1 of the FSD-803PE supports IEEE 802.3af Power over Ethernet standard that can negotiate with the remote 802.3af whether to feed the power or not. As soon as the network manager deploys the IEEE 802.3af devices in the computer room such as the PLANET POE-150, the FSD-803PE can be powered from the POE equipment. For example, if there is a PC located at 200 meters away and would like to get connected, FSD-803PE would offer the most convenient way to make it. The manager needs simply to install FSD-803PE at the middle of the PC and the central network where 802.3af power over Ethernet feeding the power needed for the FSD-803PE. No additional power outlet is required.

With Auto-MDI support, FSD-803PE can direct wire to any Ethernet / Fast Ethernet deices through Category-5 UTP cable. LED indictors help diagnose the activities of the switch.

KEY FEATURE

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3af Ethernet standards

- 8-Port 10/100Mbps Ethernet ports

- 1-Port (port#1) support 48VDC in-line power

- Dual power system, can be powered either from POE port or from local AC adapter

- Hardware based 10/100Mbps, half / full-duplex and 1000Mbps full duplex mode, flow control and auto-negotiation

- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation

- Integrated address look-up engine, support 2K absolute MAC addresses

- Automatic address learning and address aging

- Supports Auto MDI/MDI-X function

- Supports CSMA/CD protocol

- LED indicators for easy network diagnostic
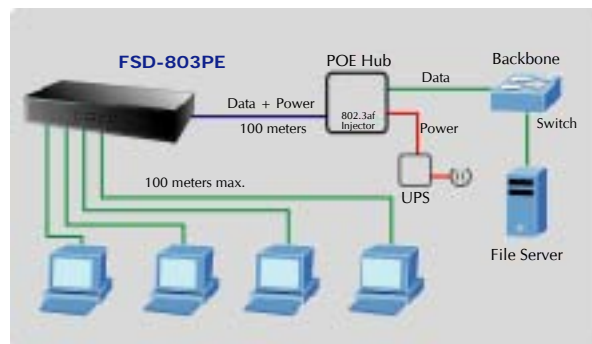
- FCC, CE class A compliant

SPECIFICATION

Product	8-Port 10/100Mbps Fast Ethernet Switch with 802.3af splitter built-in
Model	FSD-803PE
Hardware Specification	
10/100/Base-TX Ports	8 x RJ-45
POE port	1 (port#1)
Switch Processing Scheme	Store-and-Forward
Switch fabric	1.6Gbps
Throughput (packet per second @ 64byte)	1.12Mpps
Address Table	2K entries
Share data Buffer	1024Kbits
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimensions (W x D x H)	160 x 80 x 28mm
Weight	0.4 kg
Power Requirement	48VDC, auto-detect by IEEE 802.3af 12VDC, 800mA
LED indicators	System: 2; Power, POE Per port: 2; Link/Act, 100
Power Consumption / Dissipation	8.5 Watts, 30 BTU/hr
Temperature	Operating: 0~50 Degree C Storage -40~70 degree
Humidity	Operating: 5% to 90% Storage: 5% to 90% (Non-condensing)
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3af (Power over Ethernet) IEEE 802.3.x (Full-duplex flow control)

APPLICATIONS

Department Switch

Supporting 802.3af power over Ethernet, the FSD-803PE can be installed as a small department switch that gets the power from central, power-managed network through its port#1. This shall help the network installer free to find an AC power outlet for this remote switch, and also free from power shutdown if a UPS is installed in the central computer room.

ORDERING INFORMATION

FSD-803PE	8-Port 10/100Mbps Fast Ethernet Switch with IEEE 802.3af splitter built-in

RELATED PRODUCTS

POE-150	IEEE 802.3af Power over Ethernet Injector
POE-150S-5V	IEEE 802.3af Power over Ethernet Splitter (5VDC output)
POE-150S-12V	IEEE 802.3af Power over Ethernet Splitter (12VDC output)
POE-150S-9V	IEEE 802.3af Power over Ethernet Splitter (9VDC output)

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