

8-Port 10/100Mbps Desktop Fast Ethernet Switch (Internal Power)



The PLANET FSD-805 series Switch, FSD-805 / FSD-805SC / FSD-805ST and FSD-805S15, are 10/100Mbps Fast Ethernet Switches in a compact housing for easy placement on desktop. With 8 ports and auto-negotiation capability, all the RJ-45 ports in the FSD-805 series Switch can be configured to data rate of 10/20Mbps or 100/200Mbps automatically. To meet the increasing bandwidth requirements for local area networks, the FSD-805 series Switch provides non-blocking wire-speed performance and 1.6Gbps internal switching fabric. It is the ideal option to alleviate bottlenecks in client / server and peer-to-peer environments in a cost-effective way.

The FSD-805 series Switch also supports Store-and-Forward forwarding scheme to ensure low latency and high data integrity, which eliminates unnecessary traffic and relieves congestion on critical network paths. With an intelligent address recognition algorithm, the FSD-805 series Switch could recognize up to 2K different MAC addresses and enables filtering and forwarding at full wire speed.

All RJ-45 copper interfaces built in the FSD-805 series Switch support 10/100Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. With Auto-MDI/MDI-X feature support, the FSD-805 series Switch can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

The FSD-805 series Switch has one 100Base-FX optic-fiber SC / ST interface port which can be chosen via the DIP switch. The FSD-805SC / FSD-805ST and FSD-805S15 are also ideal to extend the network distance up to 2 km or 15 km away as a link to your remote backbone. Moreover, the Flow Control function allows FSD-805 series Switch to support routers and servers directly connect to it for fast, reliable data transfer.

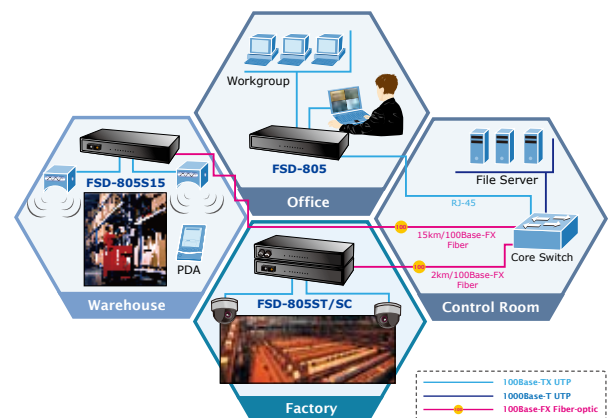
KEY FEATURES

- Complies with the IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet standard
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Support 2K MAC address table
- Support to handle up to 1522 bytes packet size
- LED indicators for simple diagnostics and management
- Hardware based 10/100Mbps auto-negotiation
- Full / Half-Duplex capability on every TX ports, total bandwidth is up to 200Mbps per port
- IEEE 802.3x PAUSE frame flow control for full duplex operation
- Backpressure flow control for half duplex operation
- One shared 100Base-FX interface for up to 2km (Multi-mode fiber 50µm/125µm) on FSD-805SC / FSD-805ST
- One shared 100Base-FX interface for up to 15km (Single-mode fiber 9µm/125µm) on FSD-805S15
- Automatic source address learning and aging
- Internal power adapter 100-240V AC, 50/60Hz, 0.2A
- FCC, CE class A compliant

APPLICATIONS

Ideal Switch for Home / SOHO and Space-limited locations

With 8 10/100Mbps Fast Ethernet ports, the FSD-805 series provides a cost-effective and high-performance solution for Home / SOHO applications. In multiple applications, the advanced functionality of the FSD-805 series eliminates traditional issues associated with current Ethernet environment. With options of multi-mode / single mode 100Base-FX SC / ST interface, the FSD-805 series fiber transmit distance up to 2km or up to 15km away for uplink to core Switch or backbone in a small office, factory or warehouse Ethernet connection.



SPECIFICATION

Product	8-Port 10/100Mbps Desktop Fast Ethernet Switch (Internal Power)			
Model	FSD-805	FSD-805SC	FSD-805ST	FSD-805S15
Hardware Specification				
10/100Base-TX Ports	8	8	8	8
100Base-FX SC Port	-	1	-	1
100Base-FX ST Port	-	-	1	-
Switch Specification				
Switch Processing Scheme	Store-and-Forward			
Address Table	2K entries			
Share data Buffer	1Mbit on-chip frame buffer			
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex			
Switch fabric	1.6Gbps			
Throughput (packet per second)	11.9Mpps			
Network cables	10/100Base-TX: 2-Pair UTP Cat. 3, 4, 5 (100meters, max.) EIA/TIA-568 100-ohm STP (100meters, max.)			
	100Base-FX: Multi-mode optic fiber 62.5/125µm, 50/125µm (FSD-805SC / FSD-805ST. 2km, max.). Single-mode optic fiber 9/125µm (FSD-805S15. 15km, max.)			
Standards Conformance				
Standards Compliance	IEEE 802.3 (Ethernet)			
	IEEE 802.3u (Fast Ethernet)			
	IEEE 802.3x (Full-duplex Flow control)			

ORDERING INFORMATION

FSD-805SC	8-Port 10/100Mbps Desktop Fast Ethernet Switch with 1-Port shared 100Base-FX (SC, Multi-mode~2km)
FSD-805ST	8-Port 10/100Mbps Desktop Fast Ethernet Switch with 1-Port shared 100Base-FX (ST, Multi-mode~2km)
FSD-805S15	8-Port 10/100Mbps Desktop Fast Ethernet Switch with 1-Port shared 100Base-FX (SC, Single-mode~15km)

RELATED PRODUCTS

FSD-805	8-Port 10/100Mbps Desktop Fast Ethernet Switch (8 RJ-45, 100m)
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