5-Port 10/100TX Fast Ethernet Switch

High-speed 10/100Mbps Workgroup Switch

PLANET Fast Ethernet Switch FSD-503 provides business and home users with a cost-effective integrated system of small-office / home-office networking. It is with compact-sized metal case design and just right for the network of 10 to 50 users.

Stable Fast Ethernet Switch Performance

The FSD-503 also supports Store-and-Forward forwarding scheme to ensure low latency and high data integrity. The high performance throughput (filtering / forwarding rate: 14,880 packets per second in 10Mbps, and 148,800 packets per second in 100Mbps) and built-in packet buffer help the FSD-503 to boost bandwidth, eliminate unnecessary traffic, and relieve congestion on your critical server path. With an intelligent address recognition algorithm, the FSD-503 could recognize up to a 2K different MAC addresses and provide 1Gbps switching capacity, which makes the FSD-503 the best in wire-speed packet transfer performance without risk of packet loss.

Flexible Desktop Size Design

The FSD-503 is a fancy-shaped standard metal model that nicely fits in a space-limited environment. With concepts of "easy to install and use", "compact sized design", and "simple troubleshooting", the FSD-503 provides cost-conscious business and home users with a flexible yet cost-effective SOHO / Home networking.

RJ-45 Interface

- Five 10/100Mbps Fast Ethernet ports
- Complies with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX Ethernet standards
- Supports auto MDI/MDI-X function

Switching

- Hardware-based 10/100Mbps, half / full duplex , flow control and auto-negotiation
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrated address look-up engine, supporting 2K absolute MAC addresses
- Handles up to 1536bytes packet
- Automatic address learning and address aging
- Supports CSMA/CD protocol

Hardware

- Made of metal, desktop size and wall-mount design
- LED indicators for system power, per port Link / Act
- 5V DC, 1A external power adapter
- One power on/off button for energy saving
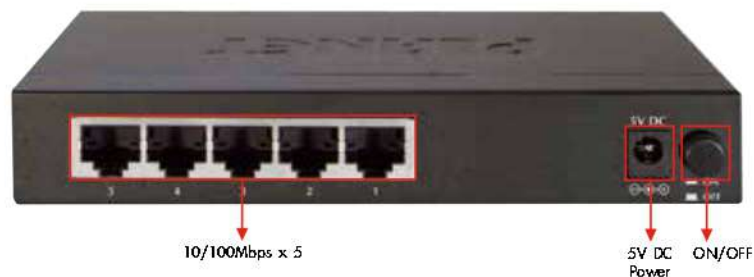- FCC, CE Class B compliant

Power Energy Saving

With one power ON/OFF button designed on the rear panel of the FSD-503, it can help users to reduce unnecessary power energy loss while the FSD-503 operation is OFF.
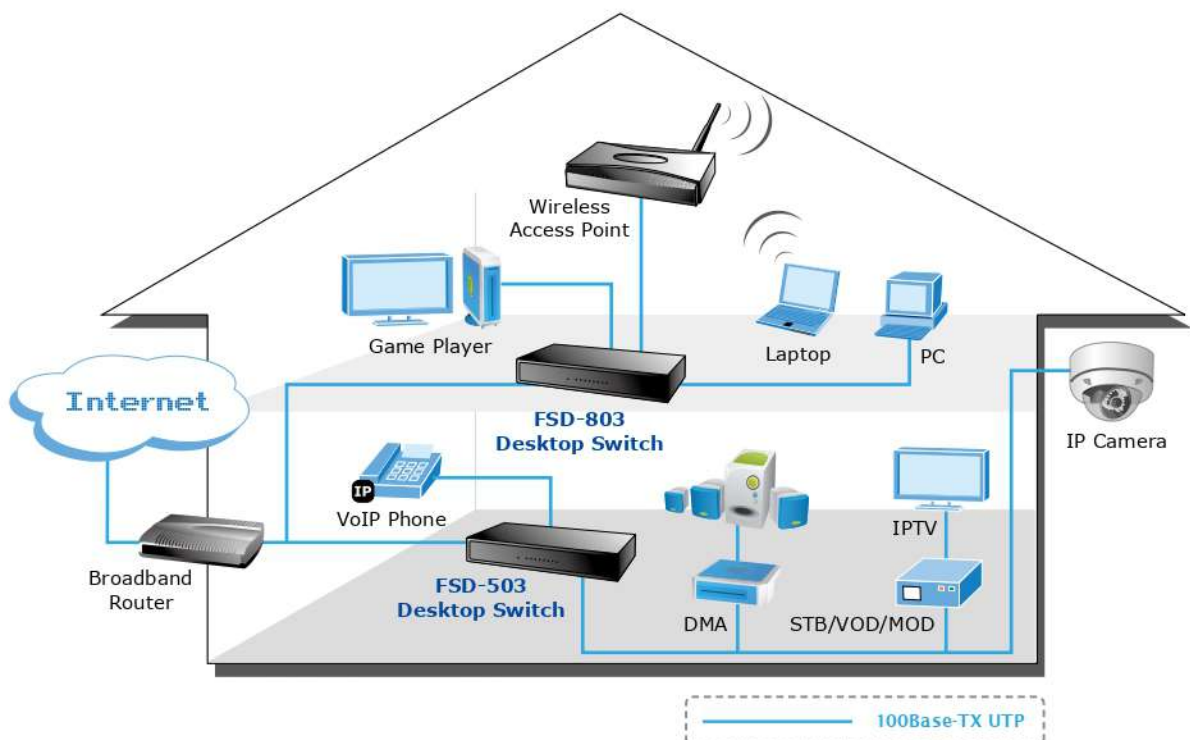
Plug & Play and Easy Installation

All RJ-45 copper interfaces in the FSD-503 support 10/100Mbps auto-negotiation for optimal speed detection through RJ-45 Category 5/5e cables. Supporting standard for auto-MDI/MDI-X can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables. The Flow Control function allows the FSD-503 to support routers and servers for direct connection to this switch with fast and reliable data transfer.

10/100Mbps x 5   5V DC Power   ON/OFF

Product Applications

Ideal Switch for Home / SOHO Network

With five 10/100Mbps ports, the FSD-503 provides a cost-effective and high-performance solution for Home and SOHO network applications. To segment the network and ease the network traffic, the FSD-503 is perfect for SOHO switched networks as the friendly network backbone. In addition, the network status can be monitored at a glance by the FSD-503 providing array LED indicators.

Specifications

Model	FSD-503
Hardware Specifications	
Hardware Version	4
10/100Base-TX Ports	5 auto MDI/MDIX ports
LED Display	One for Power, One for Link / Act per port
Enclosure	Metal
Dimensions (W x D x H)	155 x 86 x 26 mm
Weight (g)	306g
Power Requirements (External Power Adapter)	5V DC, 1A
Power Consumption (100M Full Operation)	1.8 watts / 6.1BTU
Switch Specifications	
Switch Processing Scheme	Store-and-Forward
Address Table	2K
Share Data Buffer	Built-in
Flow Control	Back pressure half duplex, IEEE 802.3x pause frame full duplex
Switch Fabric	1Gbps
Throughput (packet per second)	0.744Mpps
Maximum Packet Size	1536bytes
Standards Conformance	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3x (Full-duplex Flow Control) IEEE 802.3az Energy Efficient Ethernet (EEE)
Regulation Compliance	FCC Part 15 Class B, CE
Environments	
Temperature	Operating: 0~50 degrees C Storage: -10~70 degrees C
Humidity	Operating: 5~95% Storage: 5~95% (non-condensing)

Ordering Information

FSD-503	5-Port 10/100TX Fast Ethernet Switch (Metal case)

FSD-503v4