

# 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

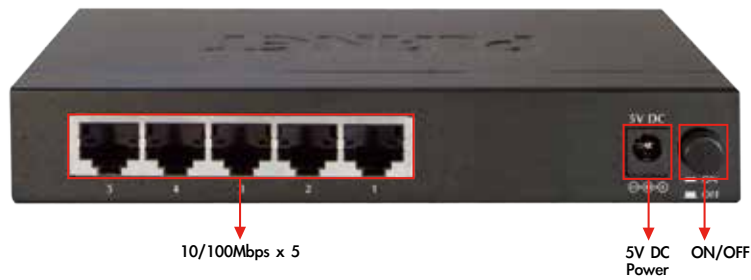


**Power Energy Saving**

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**

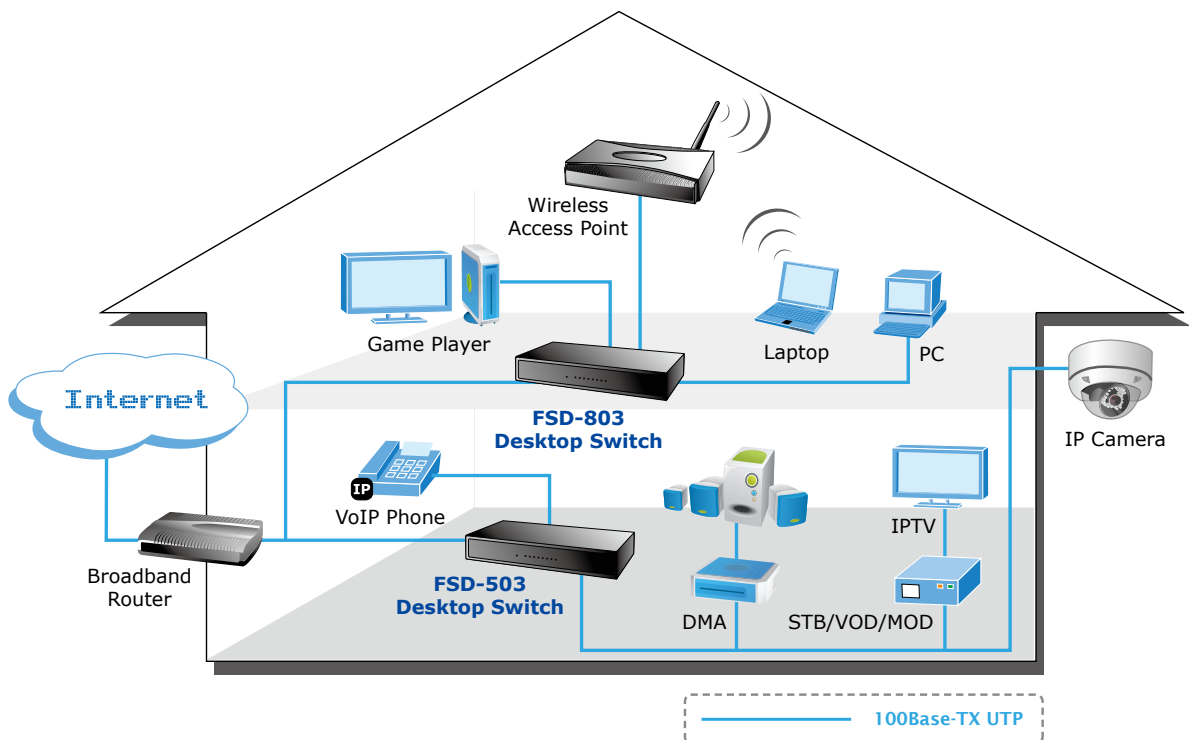
All RJ-45 copper interfaces in the FSD-503 support 10/100Mbps auto-negotiation for optimal speed detection through RJ-45 Category 5/5e cables. Supporting standard for auto-MDI/MDI-X can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables. 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.



**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
<b>Hardware Specifications</b>	
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
<b>Switch Specifications</b>	
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
<b>Standards Conformance</b>	
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
<b>Environments</b>	
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)
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