

5-/8-Port 10/100Mbps Fast Ethernet Switch



Compact Size and Enhanced Efficiency

PLANET's newly-launched FSD-Series Fast Ethernet Switch features a more compact and lightweight design, making it easier to install even in tight spaces, ideal for various SOHO and home network applications. The upgraded model also boasts reduced power consumption, contributing to energy savings without compromising performance, while continuing to deliver high-speed, reliable network connectivity for up to 50 users.

High-speed 10/100Mbps Workgroup Switch

PLANET Fast Ethernet Switch FSD-Series provides business and home users with a cost-effective integrated system of small-office / home-office networking. It is suitable for a network of 10 to 50 users, delivering a data rate of up to 100Mbps.

Stable Fast Ethernet Switch Performance

The FSD-Series also supports a Store-and-Forward forwarding scheme to ensure low latency and high data integrity. Its high-performance throughput like filtering and forwarding rates of 14,880 packets per second at 10Mbps, and 148,800 packets per second at 100Mbps is enhanced. Moreover, its built-in packet buffer helps the FSD-Series to boost bandwidth, eliminating unnecessary congested traffic. With an intelligent address recognition algorithm, the FSD-Series can identify up to 1K different MAC addresses and provide 1/1.6Gbps switching capacity. This makes the FSD-Series the best in wire-speed packet transfer performance without the risk of packet loss.



RJ45 Interface

- 5/8 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

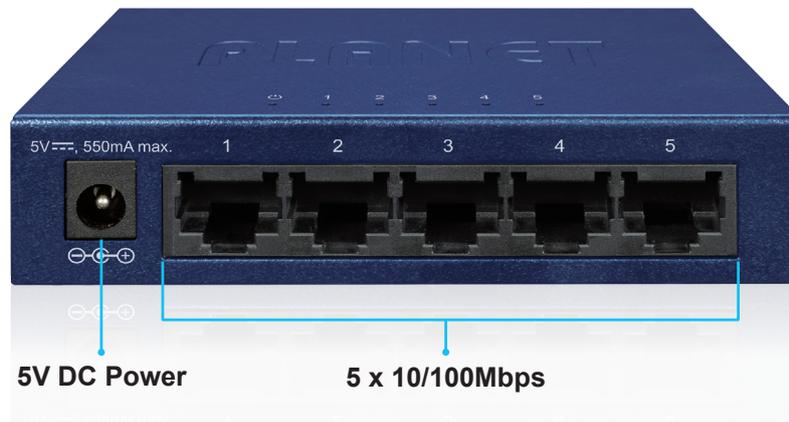
- Hardware-based 10/100Mbps, and auto-negotiation
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrated address look-up engine, supporting 1K absolute MAC addresses
- Handles up to 1536bytes of packets
- Automatic address learning and address aging
- Supports CSMA/CD protocol

Hardware

- Made of metal, desktop size and wall-mount design
- LED indicators for power, and per port Link / Act
- 5V DC, 550mA external power adapter
- FCC, CE Class B compliant

Plug & Play

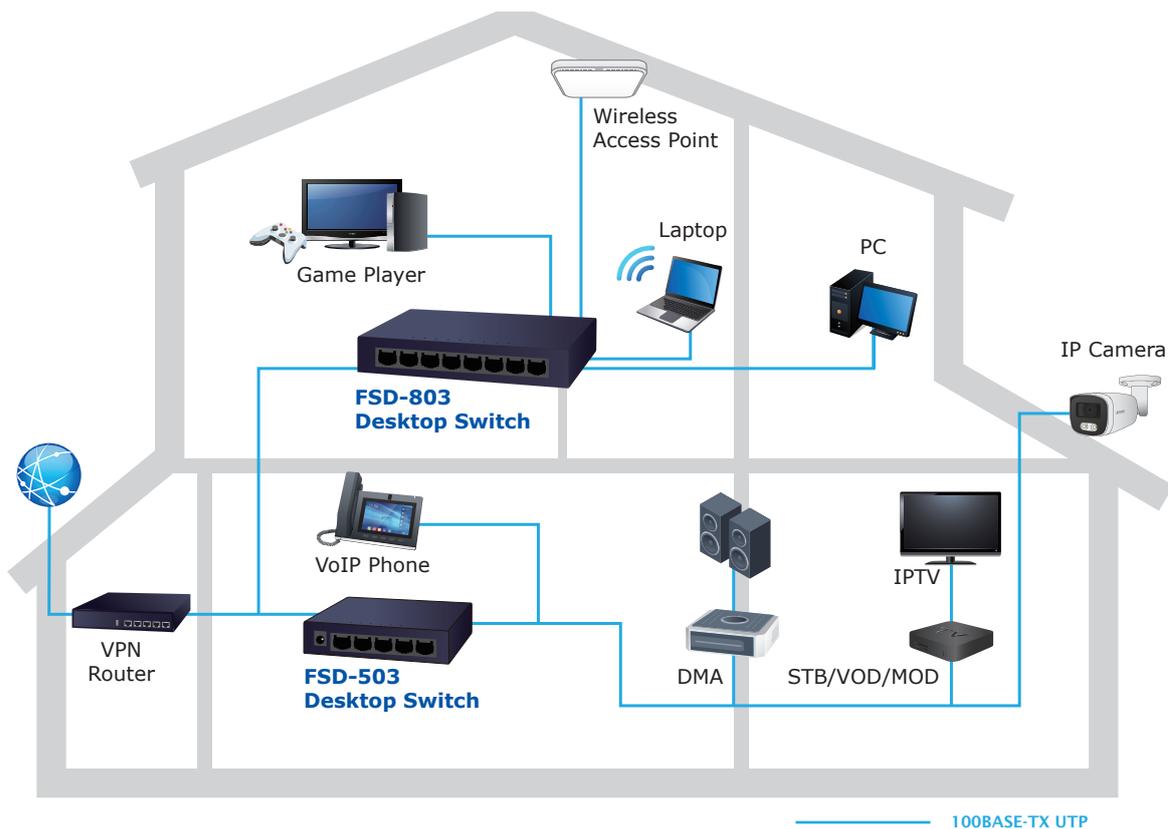
All RJ45 copper interfaces in the FSD-Series support 10/100Mbps auto-negotiation for optimal speed detection through RJ45 Category 5/5e cables. Supporting standard for auto-MDI/MDI-X can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables. The Flow Control function allows the FSD-Series to support routers and servers for direct connection to this switch with fast and reliable data transfer.



Applications

Ideal Switch for Home / SOHO Network

With 5/8 10/100Mbps ports, the FSD-Series provides a cost-effective and high-performance solution for Home and SOHO network applications. To be able to segment the network and ease the network traffic, the FSD-Series is perfect for, making the user-friendly backbone of a network. In addition, the network status can be monitored at a glance by the FSD-Series with the help of LED indicators.



Specifications

Product	FSD-503	FSD-803
Hardware Specifications		
10/100BASE-TX Ports	5 auto MDI/MDIX ports	8 auto MDI/MDIX ports
LED Display	One for Power and one for Link / Act per port	
Enclosure	Metal	
Dimensions (W x D x H)	100 x 64 x 24 mm	140 x 67 x 26 mm
Weight (g)	148g	220g
Power Requirements (External power adapter)	5V DC, 550mA	
Power Consumption/Dissipation	1.3 watts / 4.4BTU	2 watts / 6.8BTU
Switch Specifications		
Switch Processing Scheme	Store-and-Forward	
Address Table	1K	
Shared Data Buffer	488Kbits	
Flow Control	Back pressure half duplex, IEEE 802.3x pause frame full duplex	
Switch Fabric	1Gbps	1.6Gbps
Throughput (packet per second)	0.744Mpps	1.19Mpps
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)	
Regulatory 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 10/100Mbps Fast Ethernet Switch (metal case)
FSD-803	8-Port 10/100Mbps Fast Ethernet Switch (metal case)

Related Products

GSD-504	5-Port 10/100/1000BASE-T Gigabit Ethernet Switch (Plastic case)
GSD-503	5-Port 10/100/1000 BASE-T Gigabit Ethernet Switch (Metal case)
GSD-804	8-Port 10/100/1000 BASE-T Gigabit Ethernet Switch (Plastic case)