

16-Port 10/100Mbps Desktop Fast Ethernet Switch



High-Speed 10/100Mbps Workgroup Switch

The brand-new PLANET FSD-1606 provides 16 RJ-45 10/100Mbps ports for high speed network connectivity. The FSD-1606 can automatically identify and determine the correct transmission speed as well as half / full duplex mode of the attached devices with its 16 interfaces.

Stable Fast Ethernet Switch Performance

The FSD-1606 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, 148,800 packets per second in 100Mbps) and 1.625Mb RAM packet buffer help the FSD-1606 to boost bandwidth, eliminate unnecessary traffic, and relieve congestion on your critical server path. With an intelligent address recognition algorithm, the FSD-1606 could recognize up to 4K different MAC address and provide 3.2Gbps switching capacity, which makes the FSD-1606 offer wire-speed packets transfer performance without risk of packet loss.



RJ-45 Interface

- Sixteen 10/100Mbps Fast Ethernet ports
- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX

Switching

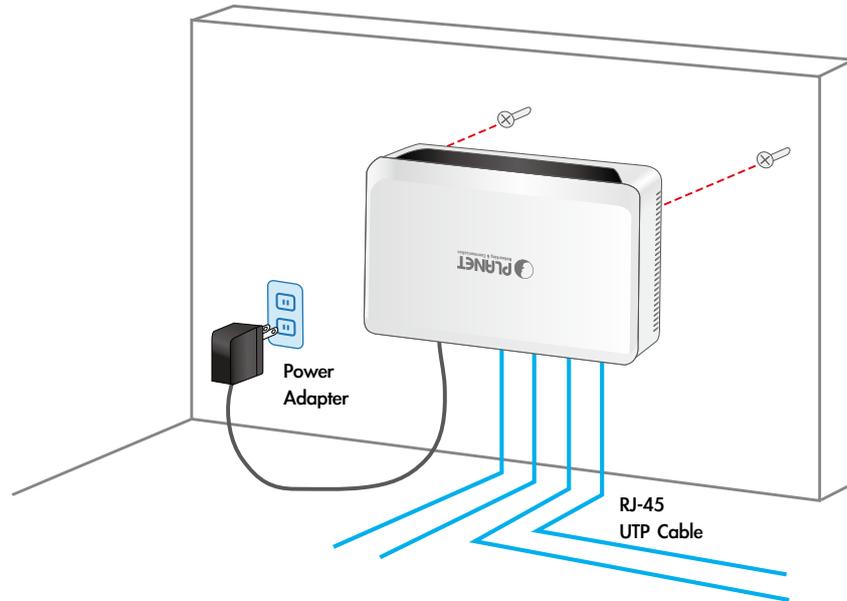
- Hardware based 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Flow control for Full Duplex operation and back pressure for Half Duplex operation
- Integrates address look-up engine, supporting 4K absolute MAC addresses
- 1.625Mb RAM for Packet Buffer
- Switching Fabric: 3.2Gbps, Switch Throughput: 2.38Mpps
- Automatic address learning and address aging
- Complies with CSMA/CD protocol.

Hardware

- Made from Plastic desktop size, wall mount design
- LED indicators for system power, per port Link / Act
- Supports to handle up to 1522bytes packet size
- External 9V DC, 1A Power Adapter
- FCC Class B, CE compliant

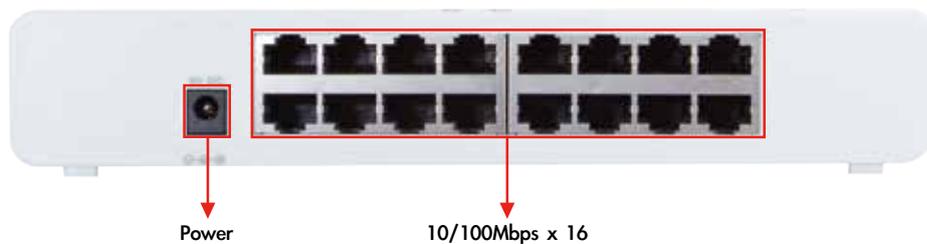
Flexible Desktop Size Design

The FSD-1606 is the fancy-shape standard plastic model to fit into space-limited environment. With concepts of "Easy to Install and use", "Compact sized design", and "Simple troubleshooting", the FSD-1606 provides cost-conscious business and home users with the foundation from an integrated system of small-office / home-office networking.



Plug & Play and Easy Installation

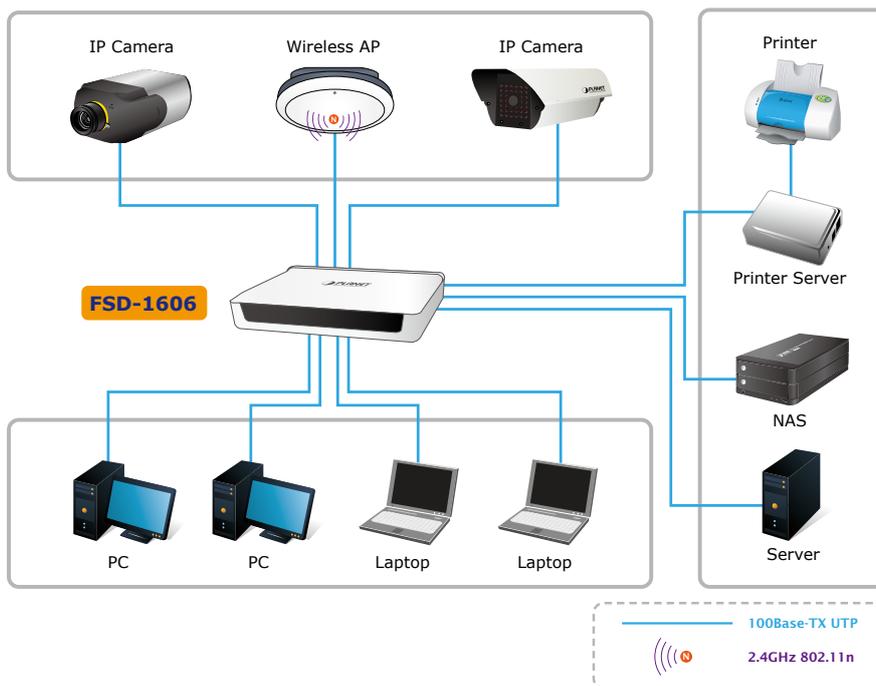
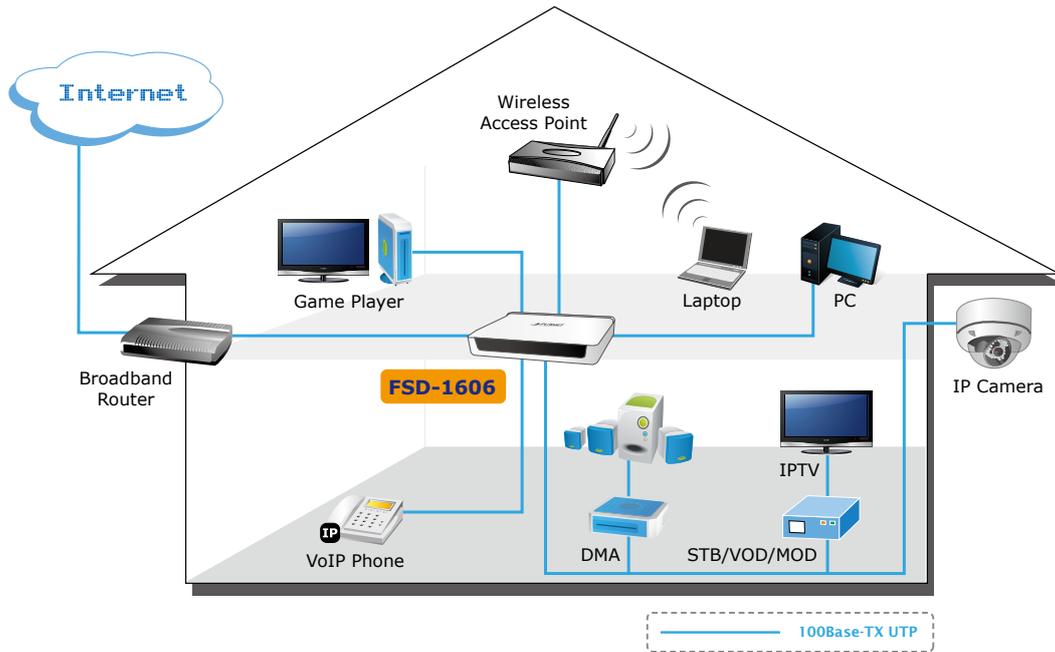
All RJ-45 copper interfaces in the FSD-1606 support 10/100Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 5/5e cables. Supporting standard for Auto-MDI/MDI-X can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. The Flow Control function allows the FSD-1606 to support routers and servers for direct connection to this Switch with fast and reliable data transfer.



Applications

SOHO / Workgroup Switch

With 16 10/100Mbps ports, the FSD-1606 provides a cost-effective and high-performance solution for SOHO/SMB workgroup. To segment the network and ease the network traffic, the FSD-1606 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-1606 providing array LED indicators.



Specifications

Product	FSD-1606
Hardware Specifications	
Network Connector	16-Port RJ-45 for 10/100Base-TX
LED Display	System: Power x1 (Green) Per Port: LNK/ACT (Green)
Switch Architecture	Store and Forward switch architecture
MAC Address Table	4K MAC address table with Auto learning function
Data Buffer	1.625Mb RAM
Switch Fabric	3.2Gbps
Switch Throughput	2.38Mpps
Maximum Packet Size	1522Bytes
Flow Control	Back pressure for Half-Duplex. IEEE 802.3x Pause Frame for Full-Duplex
Power Requirements	9V DC,1A Power Adapter
Power Consumption	6.3 watts / 21BTU
Dimensions (W x D x H)	220x 135 x 35 mm
Weight	382g
Standard Conformance	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3x (Full-duplex Flow Control)
Regulation Compliance	FCC Part 15 Class B, CE
Environments	
Temperature	Operating: 0~50 degrees C Storage: -10~70 degrees C
Humidity	Operating: 5% to 95% Storage: 5% to 95% (non-condensing)

Ordering Information

FSD-1606	16-Port 10/100Mbps Desktop Fast Ethernet Switch (Plastic)
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Related Products

ENW-9504	10/100Base-TX PCI Adapter, Full Duplex (Realtek chip)
XRT-401F	Internet Broadband Router
VRT-420N	802.11n Multi-Homing Broadband Router