

1. Package Contents

Check the contents of your package for following parts:

- Fast Ethernet Switch x 1
- User's Manual x 1
- Power Adapter x 1
- Rubber Feet x 4

If any of these are missing or damaged, please contact your dealer immediately, if possible, retain the carton including the original packing material, and use them against to repack the product in case there is a need to return it to us for repair.

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3. Switch Front Panel

Figure 1-1 & 1-2 & 1-3 shows a front panel of FSD-503 / FSD-803 / FSD-1603.

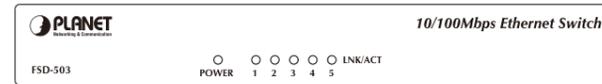


Figure 1-1 FSD-503 front panel

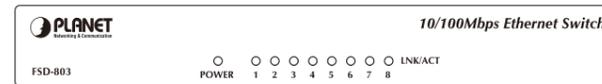


Figure 1-2 FSD-803 front panel



Figure 1-3 FSD-1603 front panel

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2. Product Features

- Comply with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX Ethernet standards
- 5/8/16-Port 10/100Mbps Fast Ethernet ports
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Hardware based 10/100Mbps, half / full duplex, flow control and auto-negotiation
- IEEE 802.3x flow control for full duplex operation and Backpressure for half duplex operation
- Integrated address look-up engine, support 2/8K absolute MAC addresses
- 384K / 448K bits packet buffer memory (FSD-503/803)
- One power on/off button for energy saving (FSD-503/803)
- 4Mbit on-chip frame buffer (FSD-1603)
- Automatic address learning and address aging
- Supports Auto MDI/MDI-X function
- Support CSMA/CD protocol
- External power adapter 12V 0.5A (FSD-503/803)
- External power adapter 12V 1A (FSD-1603)
- FCC, CE class A compliant

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4. LED Indicators

FSD-503/FSD-803

LED	Color	Function
PWR	Green	Lit: Power on.
LNK/ACT	Green	Lit: indicate the link through that port is successfully established. Blink: indicate that the Switch is actively sending or receiving data over that port.

FSD-1603

LED	Color	Function
PWR	Green	Lit: Power on.
10/100	Green	Lit: indicate that the port is operating at 100Mbps. Off: indicate that the port is operating at 10Mbps. Blink: indicate that the Switch is actively sending or receiving data over that port.

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5. Switch Rear Panel

Figure 1-4 & 1-5 & 1-6 shows a rear panel of FSD-503 / FSD-803 / FSD-1603.

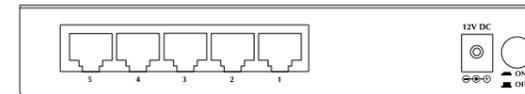


Figure 1-4 FSD-503 rear panel

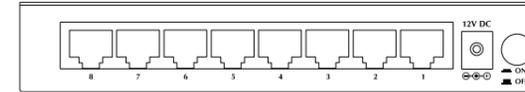


Figure 1-5 FSD-803 rear pane

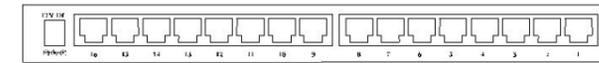


Figure 1-6 FSD-1603 rear panel

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6. Installing the Switch

This part describes how to install your Fast Ethernet Switch and make connections to it. Please read the following topics and perform the procedures in the order being presented.

Note This Switch does not need software configuration.

Desktop Installation

To install the Switch on desktop, simply follow the next steps:

- Step 1: Attach the rubber feet to the recessed areas on the bottom of the Switch.
- Step 2: Place the Switch on desktop near an AC power source.
- Step 3: Keep enough ventilation space between the Switch and the surrounding objects.

Note When choosing a location, please keep in mind the environmental restrictions discussed in Chapter 7. Product Specifications.

- Step 4: Connect your Switch to network devices.
 - A. Connect one end of a standard network cable to the 10/100 RJ-45 ports on the Back of the Switch.
 - B. Connect the other end of the cable to the network devices such as printer servers, workstations or routers...etc.
- Step 5: Supply power to the Switch.
 - A. Connect one end of the power cable to the Switch.
 - B. Connect the 12V DC power adapter to a standard wall outlet.

When the Switch receives power, the Power LED should remain solid Green.

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Power Notice

1. The device is a power-required device, it means, it will not work till it is powered. If your networks should active all the time, please consider using UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network downtime.
2. In some area, installing a surge suppression device may also help to protect your Switch from being damaged by unregulated surge or current to the Switch or the power adapter.

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7. Product Specifications

Product	FSD-503	FSD-803	FSD-1603
Hardware Specification			
10/100Base-TX Ports	5	8	16
Dimensions (W x D x H)	160 x 80 x 28mm		267 x 79 x 26mm
Weight (kg)	325g	339g	850g
Power Requirement	External power adapter 12V 0.5A		External power adapter 12V 1A
Power Consumption / Dissipation	2.6 watts / 8.8 BTU	4.3 watts / 14.6 BTU	5.5 watts / 18.7 BTU
Switch Specification			
Switch Processing Scheme	Store-and-Forward		
Address Table	2K entries	2K entries	8K entries
Packet buffer memory	384K bits	448K bits	4Mbit on-chip frame buffer
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex		
Switch fabric	1Gbps	1.6Gbps	3.2Gbps
Throughput (packet per second)	0.74Mpps	1.19Mpps	2.38Mpps
Standards Conformance			
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3x (Full-duplex flow control)		
Temperature	Operating: 0~50 Degree C Storage: -10~70 Degree C		
Humidity Operating	5% to 90%, Storage: 5% to 90% (Non-condensing)		
Regulation Compliance	FCC Part 15 Class A, CE		

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8. Customer Support

Thank you for purchase PLANET products. You can browse our online FAQ resource at the PLANET web site first to check if it could solve you issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQ :
<http://www.planet.com.tw/en/support/faq.php?type=1>

Switch support team mail address :
support_switch@planet.com.tw

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10/100Mbps FSD-Series 5 / 8 / 16-Port Fast Ethernet Switch

Integrate Small-Office Home-Office Networking



FSD-503 / FSD-803 / FSD-1603

User's Manual



Energy Saving Note of the Device

This power required device does not support Stand by mode operation.
 For energy saving, please remove the DC-plug or push the hardware Power Switch to OFF position to disconnect the device from the power circuit.
 Without remove the DC-plug or switch off the device, the device will still consuming power from the power circuit.
 In the view of Saving the Energy and reduce the unnecessary power consuming, it is strongly suggested to switch off or remove the DC-plug for the device if this device is not intended to be active.