

1. Package Contents

Check your package for the following items:



GSD-1603 x 1 DC 12V,
1A Power Adapter x 1 User's Manual x 1

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 again to repack the product in case there is a need to return it to us for repair.

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Hardware Features

- Made of metal, desktop size and wall-mount design
- LED indicators for system power, per port Link/Act
- 12V DC, 1A external power adapter
- FCC, CE Class B compliant

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4. LED Indicators

System

LED	Color	Function	
PWR	Green	Lights	Indicates that the Switch is powered ON.
		Off	Indicates that the Switch is powered OFF.

Per 10/100/1000Mbps Port

LED	Color	Function	
Link/ ACT	Green	Lights	Indicates the link through that port is successfully established at 10/100/1000Mbps.
		Blinking	Indicates the Switch is actively sending or receiving data over that port.

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6. Installing the Switch

This part describes how to install your GSD-1603 Gigabit Ethernet Switch and make connections to it. Please read the following sections and perform the procedures in the order being presented.

Note: This GSD-1603 Gigabit Ethernet Switch does not need software configuration.

Desktop Installation

To install the GSD-1603 on desktop, simply follow the following steps:

Step 1: Place the GSD-1603 on the desk near a power source.

Step 2: Keep some ventilation space between the GSD-1603 and the surrounding objects.

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

Step 3: Connect your GSD-1603 to network devices.

- A.** Connect one end of a standard network cable to the 10/100/1000BASE-T RJ45 ports on the rear panel of the GSD-1603.

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2. Product Features

Physical Port

- 16-Port 10/100/1000BASE-T Gigabit Ethernet ports
- Supports auto MDI/MDI-X function

Layer 2 Features

- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T Ethernet standards
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Integrated address look-up engine, supporting 8K absolute MAC addresses
- 9K Jumbo packet support
- IEEE 802.1Q VLAN packet transparent support
- IEEE 802.3x flow control for full duplex operation and backpressure for half duplex operation
- Hardware based 10/100BASE-TX, half/full duplex and 1000BASE-T full duplex mode, flow control and auto-negotiation
- Automatic address learning and address aging
- Supports CSMA/CD protocol

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3. Switch Front Panel

Figure 3-1 shows the front panel of the GSD-1603

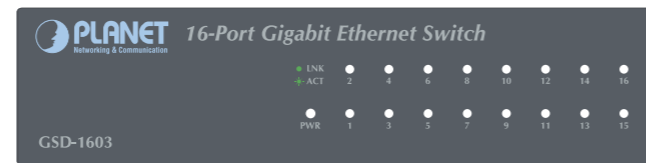


Figure 3-1: GSD-1603 Front Panel

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5. Switch Rear Panel

Figure 5-1 shows the rear panel of the GSD-1603

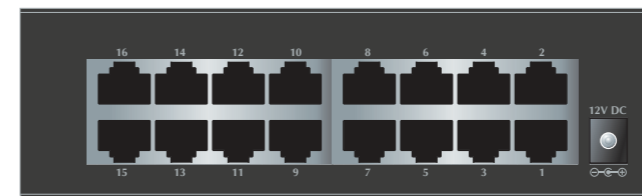


Figure 5-1: GSD-1603 Rear Panel

Power Notice

1. The device is a power-required device, meaning it will not work till it is powered. If your networks should be 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 areas, 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.

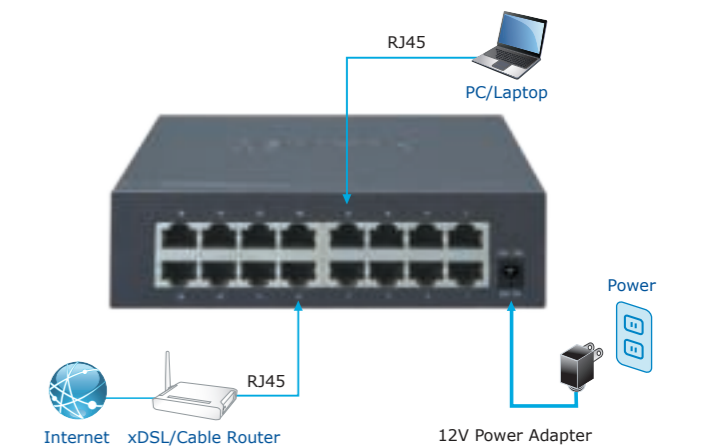
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- B.** Connect the other end of the cable to the network devices such as printer servers, workstations, routers, etc.

Step 4: Supply power to the GSD-1603.

- A.** Connect one end of the power cable to the GSD-1603.
- B.** Connect the 12V DC power adapter to a standard wall outlet.

When the GSD-1603 receives power, the Power LED should remain solid Green.



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Wall-mount Installation

Step 1: Please find the wall that can mount the GSD-1603.

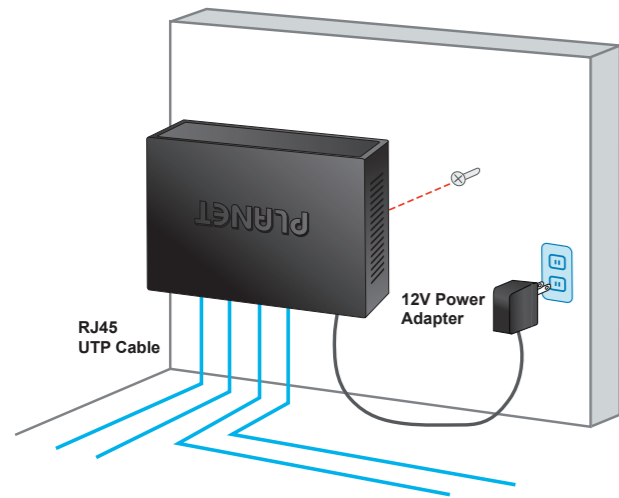
Step 2: Install two screws on the wall.

Step 3: Hang the GSD-1603 on the screws from the wall.

Step 4: Repeat step 4 of **Desktop Installation** for power supply to the GSD-1603.



Before mounting the device to the wall, please check the location of the electrical outlet and the length of the Ethernet cable.



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Throughput (packet per second)	23.8Mpps@64Bytes
Jumbo Frame	9K
Standards Conformance	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit 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% to 95%, Storage: 5% to 95% (non-condensing)

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7. Product Specifications

Product	GSD-1603
Hardware Specifications	
10/100/1000BASE-T Ports	16 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 118 x 46 mm
Weight (g)	538g
Power Requirements (External power adapter)	12V DC, 1A
Power Consumption	10 watts/34 BTU
Switch Specifications	
Switch Processing Scheme	Store-and-Forward
Address Table	8K
Flow Control	Back pressure half duplex, IEEE 802.3x pause frame full duplex
Switch Fabric	32Gbps

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8. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource on PLANET Website first to check if it could solve your 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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Home/SOHO Switch GSD-1603

www.PLANET.com.tw

16-port Gigabit Ethernet Switch



PLANET Technology Corp.

2351-A33290-000



Energy Saving Note of the Device

This power required device does not support Standby 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 removing the DC-plug from or switching off the device, the device will still consume power from the power source. In view of Saving the Energy and reducing the unnecessary power consumption, it is strongly suggested to power off or to remove the DC-plug from the device if this device is not intended to be active.

