

1. Package Contents

Check the contents of your package for the following parts:

	
Gigabit Ethernet Switch x 1	User's Manual x 1
	
AC 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 again to repack the product in case there is a need to return it to us for repair.

In the following sections, the term "Gigabit Ethernet Switch" means the GSD-603F.

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3. Hardware Introduction

3.1 Switch Front Panel

Figure 3-1 shows the front panel of GSD-603F.



Figure 3-1: GSD-603F Front Panel

3.2 Switch Rear Panel

Figure 3-2 shows the rear panel of GSD-603F.



Figure 3-2: GSD-603F Rear Panel

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4. LED Indicators

System

LED	Color	Function
PWR	Green	Lights to indicate that the Switch has power.

Per 10/100/1000BASE-T RJ45 Port (Port 1 ~ Port 5)

LED	Color	Function
LNK/ACT	Green	Lights to indicate the link through that port is successfully established.
		Blinks to indicate that the Switch is actively sending or receiving data over that port.

1000BASE-X SFP Port

LED	Color	Function
LNK/ACT	Green	Lights to indicate that the Switch is successfully connecting to the network at 1000Mbps.

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Step 4: Connect your Gigabit Ethernet Switch to network devices.

A. Connect one end of a standard network cable to the 10/100/1000Mbps RJ45 ports on the back of the Gigabit Ethernet Switch.

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



Note

Connection to the Gigabit Ethernet Switch requires UTP Category 5 network cabling with RJ45 tip.

Step 5: Supply power to the Gigabit Ethernet Switch.

A. Connect one end of the power cable to the Gigabit Ethernet Switch.

B. Connect the power plug of the power cable to a standard wall outlet.

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

Wall-mount Installation

Step 1: Please find the wall that can mount the GSD-603F.

Step 2: Screw two screws on the wall.

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2. Product Features

Physical

- Five 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
- One 1000BASE-X slot

Layer 2 Features

- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x, full-duplex flow control compliant; back-pressure, half-duplex flow control
- Integrated address look-up engine, supporting 2K absolute MAC addresses
- 1.5Mbit on-chip frame buffer
- 9K jumbo packet
- Power saving ability for Green networking

Hardware Features

- DC 5V, 1A external power
- Compact size, wall-mountable design
- Metal case, good for heat sinking
- Easy installation; ideal solution for space-limited locations

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1. The device is a power-required device, meaning it will not work till it is powered. If your network remains to 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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5. Installing the Switch

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



Note

This Gigabit Ethernet Switch does not need software configuration.

Desktop Installation

To install the Gigabit Ethernet Switch on desktop, simply follow the steps below:

Step 1: Attach the rubber feet to the recessed areas on the bottom of the Gigabit Ethernet Switch.

Step 2: Place the Gigabit Ethernet Switch on desktop near an AC power source.

Step 3: Keep enough ventilation space between the Gigabit Ethernet Switch and the surrounding objects.

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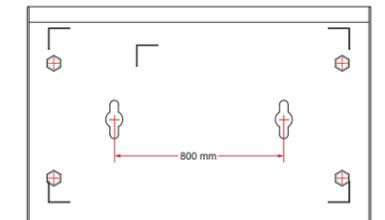
Step 3: Hang the GSD-603F on the screws from the wall.

Step 4: Repeat Step 5 of Desktop Installation for power supply to the GSD-603F.

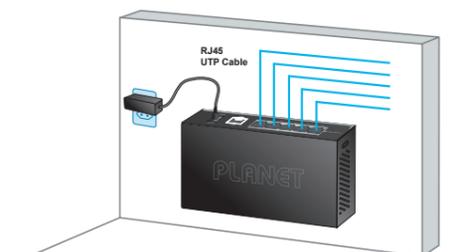


Note

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



GSD-603F Switch Bottom Side



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Installing SFP Module

The section describes how to insert an SFP transceiver into an SFP slot.

The SFP transceivers are hot-pluggable and hot-swappable. You can plug in and out the transceiver to and from the SFP port without having to power down the Switch as Figure 1 shows.

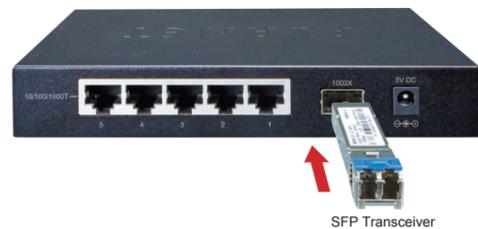


Figure 5-1: Plug in the SFP transceiver

Before connecting the other switches, workstation or media converter,

1. Make sure both sides of the SFP transceivers are the same media type, for example, 1000BASE-SX to 1000BASE-SX, 1000BASE-LX to 1000BASE-LX.

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7. Product Specifications

Product	GSD-603F	
Hardware Specifications		
Ports	5 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports	
SFP/mini-GBIC Slot	1 1000BASE-X slot	
Dimensions (W x D x H)	162 x 102 x 28 mm	
Weight	398g	
Power Requirements	DC 5V, 1A external power	
Power Consumption	System on	Max. 0.6 watts/2.04 BTU @ DC 5V
	Ethernet Full Loading	Max. 4.1 watts/13.99 BTU @ DC 5V
Enclosure	Metal	
Switch Specifications		
Switch Processing Scheme	Store-and-Forward	
Address Table	2K entries	
Shared Data Buffer	1.5Mbits	

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2. Check the fiber-optic cable type that matches the SFP transceiver model.

- To connect to **MGB-SX** SFP transceiver, use the multi-mode fiber cable with one side being the male duplex LC connector type.
- To connect to **MGB-LX** SFP transceiver, use the single-mode fiber cable with one side being the male duplex LC connector type.

Connecting Fiber Cable

1. Attach the duplex LC connector on the network cable into the SFP transceiver.
2. Connect the other end of the cable to a device - switches with SFP installed, fiber NIC on a workstation or a media converter.
3. Check the LNK/ACT LED of the SFP slot of the Switch. Ensure that the SFP transceiver is operating correctly.
4. Check the Link mode of the SFP port if the link failed.

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Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex
Switch Fabric	12Gbps
Throughput (packet per second)	8.9Mpps
Jumbo Packet Size	9K
Standards Conformance	
Standards Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit Fiber Ethernet IEEE 802.3x Full-duplex flow control IEEE 802.3az Energy Efficient Ethernet (EEE)
Environment	
Temperature	Operating: 0~50 degrees C Storage: -40~70 degrees C
Humidity	Operating: 10~90% (non-condensing) Storage: 5~90% (non-condensing)

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Gigabit Switch

GSD-603F

5-Port 10/100/1000T + 1-Port 1000X SFP Gigabit Ethernet Switch



PLANET Technology Corp.

2351-A33300-000



Energy Saving Note of the Device

This power required device does not support Standby mode operation. For energy saving, please remove the power cable to disconnect the device from the power circuit. Without removing power cable, 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 remove the power connection for the device if this device is not intended to be active.



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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EC Declaration of Conformity

For the following equipment:

*Type of Product: 5-Port 10/100/1000T +1-Port 1000X SFP Gigabit Ethernet Switch
*Model Number: GSD-603F

* Produced by:
Manufacturer's Name : Planet Technology Corp.
Manufacturer's Address: 10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C.

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive on (2014/30/EU).

For the evaluation regarding the EMC, the following standards were applied:

EN 55032	(2012/AC:2013)
EN 61000-3-2	(2014)
EN 61000-3-3	(2013)
EN 55024	(2010+A1:2015)

Responsible for marking this declaration if the:

Manufacturer Authorized representative established within the EU

Authorized representative established within the EU (if applicable):

Company Name: Planet Technology Corp.
Company Address: 10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C.

Person responsible for making this declaration

Name, Surname: Kent Kang

Position / Title: Director

Taiwan
Place

June 12, 2017
Date

Kent Kang
Legal Signature

PLANET TECHNOLOGY CORPORATION

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