1. Package Contents

Check the contents of your package for the following parts:

Gigabit Ethernet Switch x 1	AC Adapter x 1
User's Manual 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.

2. Product Features

Physical

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

➢One 100/1000BASE-X SFP 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 dissipation

➢Easy installation; ideal solution for space-limited locations

3. Hardware Introduction

3.1 Switch Front Panel
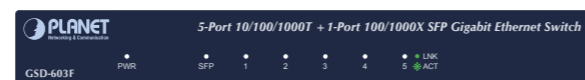
Figure 3-1 shows the front panel of GSD-603F.

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

Power Note	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.

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)

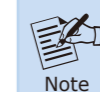| LED	Color	Function
LNK/ ACT	Green	Lights to indicate the link through that port is successfully established.
		Blinks to indicate that the Switch is actively sending or receiving data over that port.

100/1000BASE-X SFP Port

LED	Color	Function
LNK/ ACT	Green	Lights to indicate that the Switch is successfully connecting to the network at 100/1000Mbps.

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.

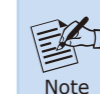|	
Note	This Gigabit Ethernet Switch does not need software configuration.

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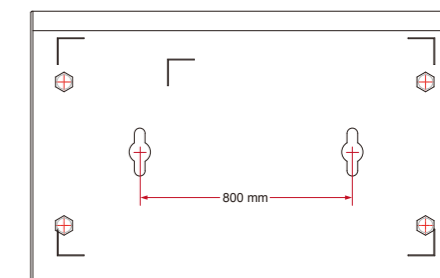
Step 2: Place the Gigabit Ethernet Switch on desktop near an DC power source.

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

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.

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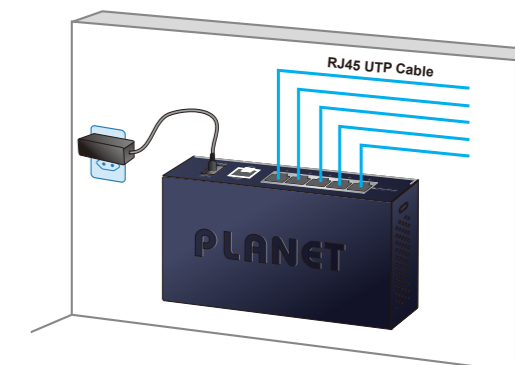
Note	Before mounting the device to the wall, please check the location of the electrical outlet and the length of the Ethernet cable.

GSD-603F Switch Bottom Side

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 5-1 shows.
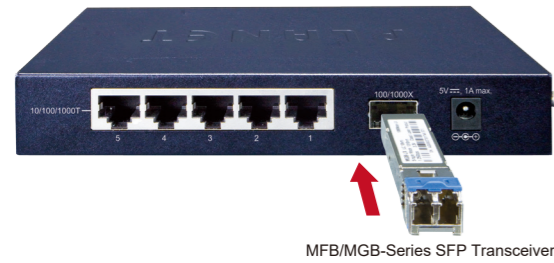

MFB/MGB-Series SFP Transceiver

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, 100BASE-FX to 100BASE-FX, 1000BASE-SX to 1000BASE-SX, 1000BASE-LX to 1000BASE-LX.

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

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

   ➤ To connect to **MFB-F20/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 to 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.

6. Product Specifications

Product	GSD-603F
Hardware Specifications	
Ports	5 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
SFP/mini-GBIC Slot	1 100/1000BASE-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
Flow Control	Back pressure half duplex, IEEE 802.3x pause frame 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 802.3u Fast Ethernet Fiber 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)

7. Customer Support

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

PLANET online FAQs:
http://www.planet.com.tw/en/support/faq

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