1. Package Contents

Thank you for purchasing PLANET 48-Port 10/100/1000BASE-T unmanaged Gigabit Ethernet Switch, GSW-4800. **"Switch"** mentioned in this User's Manual refers to the GSW-4800.

Open the box of the Switch and carefully unpack it. The box should contain the following items:

◆ The Gigabit Ethernet Switch x 1

◆ User's Manual x 1

◆ Power Cord x 1

◆ Rubber Feet x 4

◆ Two Rack-mounting Brackets with Attachment Screws x 6

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.

2. Product Features

Physical Port
- 48-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 16K absolute MAC addresses
- 10K jumbo packet support
- IEEE 802.1Q VLAN packet transparency support
- Hardware based 10/100BASE-TX, half/full duplex and 1000BASE-T full duplex mode, auto-negotiation
- Automatic address learning and address aging
- Supports CSMA/CD protocol

Hardware Features
- 19-inch size, 1U height
- 100~240V AC, 1.0A, 50~60Hz universal power input
- FCC, CE Class A compliant
- Fanless design

3. Product Specifications

Model	GSW-4800
Hardware Specifications	
Interfaces	48 10/100/1000BASE-T MDI/MDIX Ports
Switch Architecture	Store-and-Forward
Switch Fabric	96Gbps
Throughput (packet per second) @64bytes	71.4Mpps
MAC Address Table	16K entries
Jumbo Packet Size	10K
LED	**System:** Power (Green) **10/100/1000T RJ45 Interfaces** 1000 LNK/ACT (Green), 10/100 LNK/ACT (Orange),
Dimensions (W x D x H)	440 x 220 x 44mm, 1U height
Enclosure	Metal
Weight	3.4kg
Power Requirements	100~240V AC, 50-60Hz, 1A
Power Consumption/ Dissipation	31.7 watts/108 BTU

Model	GSW-4800
Standards Conformance	
Regulatory Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet)
Environment	
Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -10 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)

4. Switch Front Panel

Figure 1 shows the front panel of the GSW-4800.

Figure 1: GSW-4800 Front Panel

LED Indicators

System

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

Per 10/100/1000BASE-T Port

LED	Color	Function
LNK/ACT 1000	Green	Lights to indicate the link through that port is established successfully at 1000Mbps. Blinks to indicate that the Switch is actively sending or receiving data over that port.
LNK/ACT 10/100	Orange	Lights to indicate the port is running at 10Mbps or 100Mbps. Blinks to indicate that the Switch is actively sending or receiving data over that port.

5. Switch Rear Panel

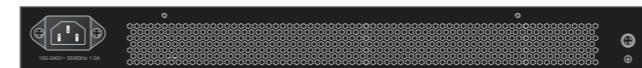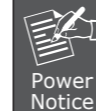Figure 2 shows the rear panel of the GSW-4800.

Figure 2: GSW-4800 Rear Panel

Power Notice	1. The device is a power-required device, meaning it will not work till it is powered. If your network 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 Gigabit Ethernet Switch from being damaged by unregulated surge or current to the Switch or the power adapter.

6. Installing the Switch

This part describes how to install your Gigabit Ethernet Switch and make connections to it. Please follow the procedures below:
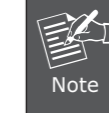
Note	This Gigabit Ethernet Switch does not need software configuration.

Desktop Installation

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

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 the desktop near an AC power source.

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

Note	When choosing a location, please keep in mind the environmental restrictions discussed in Section 3 under Product Specifications.

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

A. Connect one end of a standard network cable to the 10/100/1000BASE-T RJ45 ports on the front of the Gigabit Ethernet 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 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.

Rack Mounting

To install the Gigabit Ethernet Switch in a 19-inch standard rack, follow the instructions described below:

Step 1: Place your Gigabit Ethernet Switch on a hard flat surface, with the front panel positioned towards your front side.

Step 2: Attach a rack-mount bracket to each side of the Switch with supplied screws attached to the package. Figure 3 shows how to attach brackets to one side of the Gigabit Ethernet Switch.
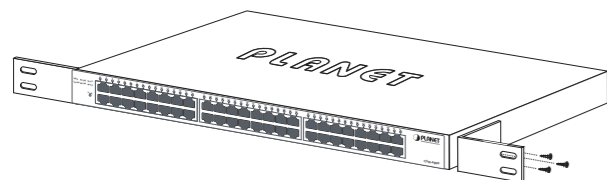

Figure 3: Attaching the brackets to the Gigabit Ethernet Switch

> ⚠️ **Caution**
> You must use the screws supplied with the mounting brackets. Damage caused to the parts by using incorrect screws would invalidate your warranty.

Step 3: Secure the brackets tightly.

Step 4: Follow the same steps to attach the second bracket to the opposite side.

Step 5: After the brackets are attached to the Gigabit Ethernet Switch, use suitable screws to securely attach the brackets to the rack, as shown in Figure 4.
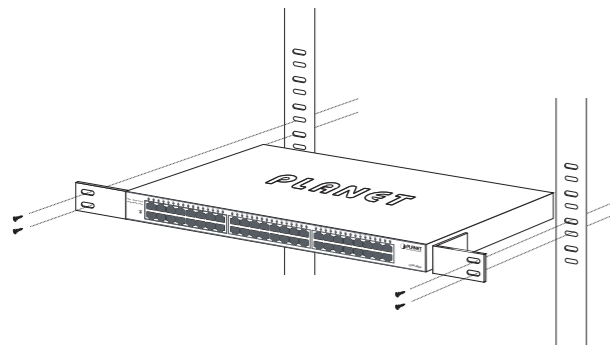

Figure 4: Mounting the Gigabit Ethernet Switch in a Rack

Step 6: Proceed with Steps 4 and 5 of Desktop Installation to connect the network cabling and supply power to your Gigabit Ethernet Switch.

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

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

Gigabit Switch
GSW-4800

www.PLANET.com.tw

48-Port Gigabit Ethernet Switch

PLANET Technology Corp.
2351-A50180-000

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.