

1. Package Contents

Check the following contents of your package:

GSD-805	User's Manual
	
AC Power Cord	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.

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2. Product Features

> RJ45 Interface

- 8 10/100/1000Mbps Gigabit Ethernet ports
- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
- Supports auto MDI/MDI-X function

> Switching

- Hardware-based 10/100Mbps in half/full duplex mode and 1000Mbps in full duplex mode, flow control, and auto-negotiation
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and backpressure for half duplex operation
- Integrated address look-up engine, supporting 8K absolute MAC addresses
- 9K jumbo packet size
- Automatic address learning and address aging
- Supports VLAN isolation mode
- Supports CSMA/CD protocol

> Hardware

- Metal housing, desktop size and wall-mount design
- LED indicators for system power, Link/Act port
- Internal power adapter 100-240V AC, 50/60Hz, 0.2A
- FCC, CE Class B compliant

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3. Hardware Introduction

3.1 Switch Front Panel

Figure 3-1 shows the front panel of the GSD-805.

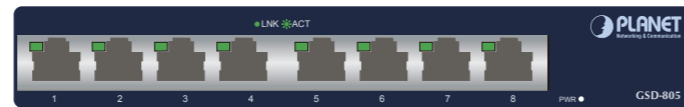


Figure 3-1: GSD-805 Front Panel

3.2 LED Indicators

System

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

Per 10/100/1000Mbps Port

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

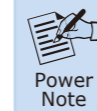
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3.3 Switch Rear Panel

Figure 3-2 shows the rear panel of the GSD-805 where there is a 100-240V, 50/60Hz AC inlet power socket.



Figure 3-2: GSD-805 Rear Panel



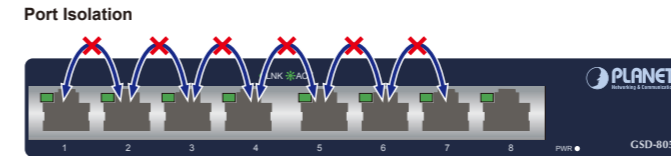
Power Note

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 GSD-805 from being damaged by unregulated surge or current to the GSD-805 or the power adapter.

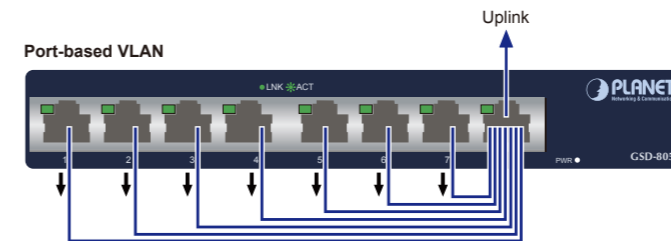
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3.4 DIP Switch -- VLAN Isolation Feature

The GSD-805 has one feature called VLAN Isolation. When switching the DIP to the "Enable" position, port 1 to port 7 wouldn't be able to communicate with each other.



Port 1 to Port 7 only can communicate with Uplink Port 8



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4. Installing the Switch

This part describes how to install your GSD-805 and make connections to it. Please read the following topics and follow the procedures as presented.



Note

The GSD-805 does not need software configuration.

Desktop Installation

To install the GSD-805 on desktop, simply follow the following steps:

- Step 1:** Attach the rubber feet to the recessed areas on the bottom of the GSD-805.
- Step 2:** Place the GSD-805 on desktop near AC power source.
- Step 3:** Keep enough ventilation space between the GSD-805 and the surrounding objects.



Note

When choosing a location, please keep in mind the environmental restrictions discussed in Chapter 5 -- Product Specifications.

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Step 4: Connect your GSD-805 to network devices.

- Connect one end of a standard network cable to Port 1 or Port 8 on the front of the Gigabit Switch.
- Connect the other end of the cable to a network video recorder, workstation or router.



Note

Cable Distance for Switch

The UTP/STP cable distance between the GSD-805 and PC/PD devices should not exceed 100 meters.



Note

Make sure the wiring is correct

Category 3/4/5 cable can be used for 10/100Mbps operation. To reliably operate your network at 1000Mbps, you must use an unshielded twisted-pair (UTP) Category 5/5e cable, or better data grade cable. While a Category 3 or 4 cable may initially seem to work, it will soon cause data loss.

Step 5: Supply power to the GSD-805.

- Connect one end of the power cable to the Switch.
- Connect the power plug of the power cable to a standard wall outlet.

When the GSD-805 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-805.

Step 2: Install two screws on the wall.

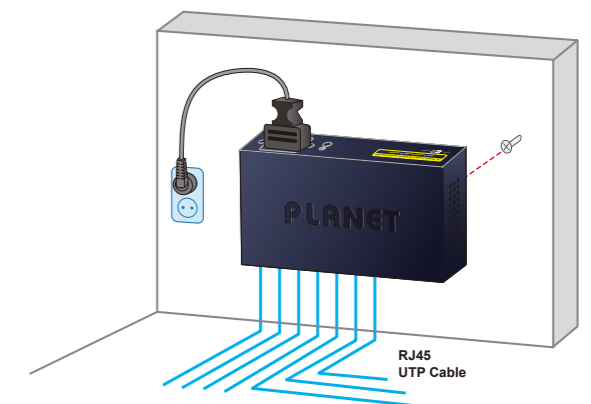
Step 3: Hang the GSD-805 on the screws from the wall.

Step 4: Repeat step 5 of **Desktop Installation** for power supply to the GSD-805.



Note

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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5. Product Specifications

Model	GSD-805
Hardware Specifications	
Hardware Version	3
Network Connector	8-Port RJ45 for 10/100/1000BASE-T, auto MDI/MDIX
LED Display	System: Power (Green) Per port: 10/100/1000 LNK/ACT (Green)
Switch Architecture	Store and Forward switch architecture
MAC Address Table	8K MAC address table with auto learning function
Packet Buffer	1Mbit
Switch Fabric	16Gbps
Switch Throughput	11.9Mpps @64 bytes
Jumbo Packet	9216 bytes
Flow Control	Back pressure for half duplex. IEEE 802.3x pause frame for full duplex
Power Requirements	Internal power 100-240V AC, 50/60Hz, 0.2A

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Power Consumption	Max. 2.4 watts/8.1 BTU	
Dimensions (W x D x H)	168 x 93 x 32mm	
Weight	428g	
Standard Conformance		
EMI Safety	FCC Class B, CE	
Standard Compliance	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x	Ethernet Fast Ethernet Gigabit Ethernet Flow Control
Environment		
Operating Environment	0 ~ 50 degrees C	
Storage Environment	-10 ~ 70 degrees C	
Operating Humidity	5 ~ 95%, relative humidity non-condensing	
Storage Humidity	5 ~ 95%, relative humidity, non-condensing	

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6. 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 FAQs:
<https://www.planet.com.tw/en/support/faq>

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

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EC Declaration of Conformity

For the following equipment:

*Type of Product: 8-Port 10/100/1000Mbps Gigabit Ethernet Switch

*Model Number: GSD-805

* 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 and Low Voltage Directive 2014/35/EU.

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

EN 55032	(2015 + AC:2016)
EN 61000-3-2	(2014)
EN 61000-3-3	(2013)
EN 55035	(2017)
EN 62368-1	(2014 + A11:2017)

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 Kane

Position / Title: Director

Taiwan
Place

June 19, 2019
Date

Kent Kane
Legal Signature

PLANET TECHNOLOGY CORPORATION

e-mail: sales@planet.com.tw <http://www.planet.com.tw>
10F., No.96, Minquan Rd., Xindian Dist., New Taipei City, Taiwan, R.O.C. Tel:886-2-2219-9518 Fax:886-2-2219-9528



User's Manual



PLANET Technology Corp.

10F., No. 96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan

2351-A33230-002

Warning:
This device is compliant with Class A of CISPR 32.
In a residential environment this device may cause radio interference.



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.