1. Package Contents

Thank you for purchasing PLANET 8-Port 10/100/1000T Wall Mounted Gigabit Ethernet Switch with 4-Port PoE+, WGS-804HP. **"Wall-mounted PoE Switch"** mentioned in this Guide refers to the WGS-804HP.

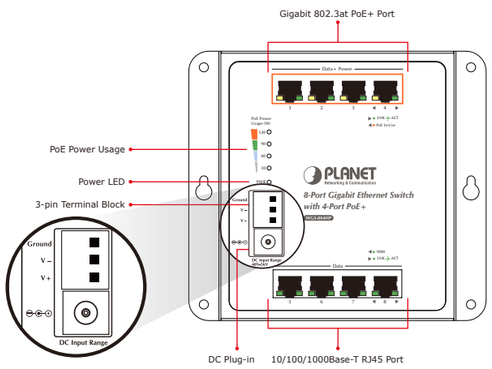
Open the box of the Wall-mounted PoE Switch and carefully unpack it. The box should contain the following items:

- The Wall-mounted PoE Switch x 1
- User Manual x 1
- DIN-rail Kit x 1
- Wall-mounted kit x 1
- Magnet Kit x 1
- 3-pin Terminal Block Connector x 1
- RJ45 Dust-proof Cap x 8

If any item is found missing or damaged, please contact your local reseller for replacement.

2. Hardware Description

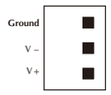
The front panel of the WGS-804HP PoE Ethernet Switch consists of 8 x Auto-Sensing 10/100/1000Mbps Ethernet RJ45 Ports. The LED Indicators are also located on the RJ45 ports of the PoE Ethernet Switch.



2.1 Terminal Block Connector Pinouts

To install the 3-pin Terminal Block Connector on the WGS-804HP, simply follow the following steps:

Step 1: Insert positive DC power wire into **V+**, negative DC power wire into **V-**, and grounding wire into **Ground**.



Step 2: Tighten the wire-clamp screws for preventing the wires from loosening and plug into the wall-mounted switch.

Note

1. The wire gauge should be in the range from 12 to 24 AWG
2. The device must be grounding
3. The DC power input range is 48V ~ 56V DC

2.2 LED Indicators

■ System

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

■ PoE 10/100/1000BASE-T interfaces (Port-1 to Port-4)

LED	Color	Function
LNK/ ACT	Green	**Lights:** To indicate the link through that port is successfully established. **Blink:** To indicate that the switch is actively sending or receiving data over that port.
PoE	Orange	**Lights:** To indicate the port is providing DC in-line power. **Off:** To indicate the connected device is not a PoE Powered Device (PD)

■ 10/100/1000BASE-T interfaces (Port-5 to Port-8)

LED	Color	Function
LNK/ ACT	Green	**Lights:** To indicate the link through that port is successfully established. **Blink:** To indicate that the switch is actively sending or receiving data over that port.
1000	Green	**Lights:** To indicate that the port is operating at **1000Mbps**. **Off:** If LNK/ACT LED is lit, it indicates that the port is operating at **10/100Mbps.** If LNK/ACT LED is Off, it indicates that the port is link-down.

■ PoE Power Usage (Unit: Watt)

LED	Color	Function
30	Green	**Lights:** To indicate the system consumes over 30-watt PoE power budget
60	Green	**Lights:** To indicate the system consumes over 60-watt PoE power budget
90	Green	**Lights:** To indicate the system consumes over 90-watt PoE power budget
120	Green	**Lights:** To indicate the system consumes over 120-watt PoE power budget

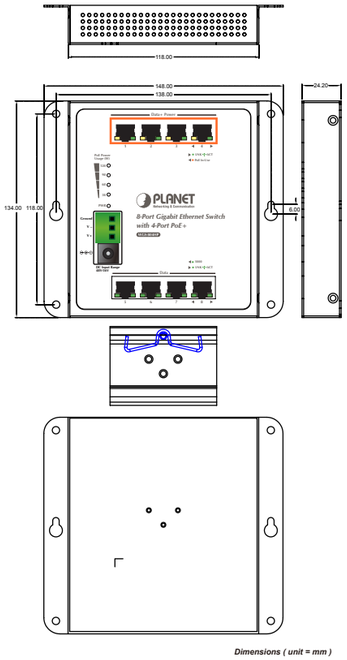
2.3 Product Specifications

Model	WGS-804HP
Hardware Specifications	
Network Connector	8-Port RJ45 for 10/100/1000BASE-T
PoE Inject Port	4-Port with 802.3af / 802.3at PoE injector function
MAC Address Table	8K MAC address table with auto learning function
Data Buffer	12Kbytes
Switch Fabric	16Gbps
Switch Throughput	11.9Mpps@64Bytes
Flow Control	Back pressure for half duplex. IEEE 802.3x pause frame for full duplex
Power Requirements	48~56V DC, 3A (max.)
Power Consumption	140 watts / 478BTU
ESD Protection	6KV DC
EFT Protection	6KV DC

Enclosure	IP30 aluminum	
Dimensions (W x D x H)	148 x 24.2 x 134mm	
Weight	510g	
Power over Ethernet		
PoE Standard	IEEE 802.3af / 802.3at Power over Ethernet PSE	
PoE Power Supply Type	End-span	
Power Pin Assignment	1/2(+), 3/6(-)	
PoE Power Output	IEEE 802.3af Standard - Per port 48V~56V DC (depending on the power supply), 15.4 watts (max.) IEEE 802.3at Standard - Per port 50V~56V DC (depending on the power supply), 30 watts (max.)	
PoE Power Budget	120 watts	

Standard Conformance		
Standard Compliance	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x IEEE 802.3af IEEE 802.3at	Ethernet Fast Ethernet Gigabit Ethernet Flow Control Power over Ethernet Power over Ethernet Plus
Regulation Compliance	FCC Part 15 Class A, CE	
Environment		
Operating	Temperature: -10 ~ 60 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	
Storage	Temperature: -20 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	

2.4 Physical Dimensions (WxDxH): 148 x 24.2 x 134mm

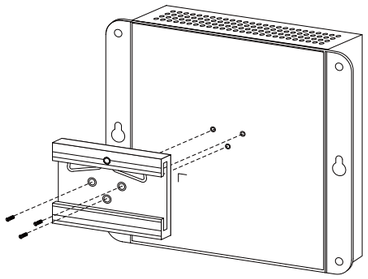


Dimensions (unit = mm)

3.2 DIN-Rail Mounting Installation

The DIN-Rail is screwed on the WGS-804HP when out of factory. When the wall mount application for the WGS-804HP needs to be replaced with DIN-Rail application, please refer to following figures to screw the DIN-Rail on the WGS-804HP. To hang the WGS-804HP, follow the below steps:

Step 1: Screw the DIN-Rail on the WGS-804HP



PLANET Networking & Communication

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User's Manual

PoE Switch

WGS-804HP

www.PLANET.com.tw

8-Port 10/100/1000T Wall Mounted Gigabit Ethernet Switch with 4-Port PoE+

PLANET Technology Corp.
2350-A36010-000

Wall mountable | 802.3at End-span 802.3af | 10M/100M 1000M | Auto MDI-X | 60°C -10°C | IP Code 30

3. Installation

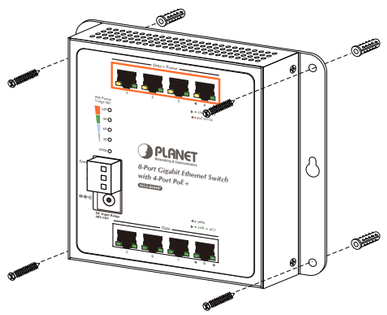
3.1 Wall Mount Installation

To install the PoE Ethernet Switch on the wall, simply follow the following steps:

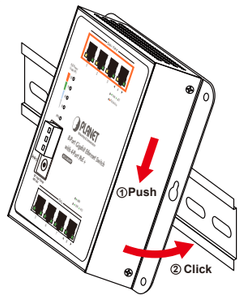
Step 1: There are 4 holes with 8mm diameter on the wall; the distance between the 2 holes is 133mm and the line through them must keep horizontal.

Step 2: Install a conductor pipe inside the board hole and flush the edge of the conductor pipe with the wall surface.

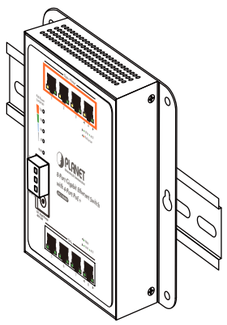
Step 3: Screw the bolts into the conductor pipe. The WGS-804HP is between bolts and conductor pipe, as shown below.



Step 2: Lightly press the button of DIN-Rail into the track

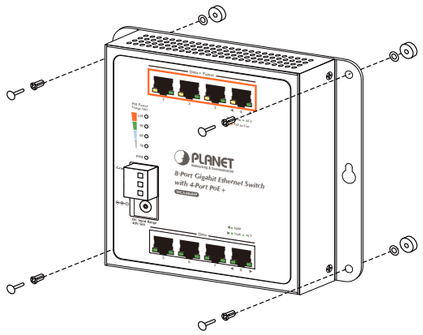


Step 3: Check whether the DIN-Rail is tightly on the track



3.3 Magnet Installation

To install the WGS-804HP on a magnetic surface, simply follow the following picture:



4. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource and User's Manual 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

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