1. Package Contents

Thank you for purchasing PLANET 8-port 10/100/1000T Wall-mounted Gigabit Ethernet Switch. The table below shows the models with the number of ports:

Model Name	10/100/1000T Copper Ports	802.3at PoE+ Ports	Power Adapter
WGS-814HP	8	4	DC 54V, 1.33A
WGS-818HP	8	8	DC 54V, 2.4A

In the following section, unless specified, the term **"Wall-mount Gigabit Switch"** mentioned in this user's manual refers to the above models.

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

The Wall-mount Gigabit Switch x 1	User's Manual x 1

Wall-mounted Kit x 1	Magnet Kit x 1	RJ45 Dust Cap x 8
Power Adapter x 1	Power Cord x 1	DIN-rail Kit x 1

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

2. Hardware Description

2.1 Switch Front View

The front panel of the Wall-mount Gigabit Switch consists of 8 Auto-Sensing 10/100/1000Mbps Ethernet RJ45 Ports. The LED Indicators are also located on the RJ45 ports of the Wall-mount Gigabit Switch.

■ WGS-814HP Front View

Figure 2-1: WGS-814HP

■ WGS-818HP Front View

Figure 2-2: WGS-818HP

2.2 LED Indicators

■ System and Ports

LED	Color	Function	
PWR	Green	Lights to indicate that the Switch has power.	
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.
PoE-in-Use	Amber	Lights	To indicate the port is providing DC in-line power.
		Off	To indicate the connected device is not a PoE powered device (PD).

■ PoE Power Usage of WGS-814HP (Unit: Watt)

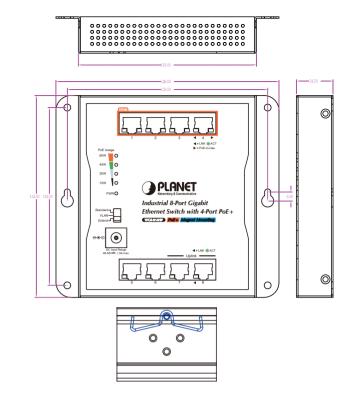| LED	Color	Function	
15	Amber	Off	To indicate the PoE usage is less than 7W.
		Blinks	To indicate the PoE usage is around 8W to 14W.
		Lights	To indicate the PoE usage is over 15-watt PoE power budget.
30	Amber	Blinks	To indicate the PoE usage is around 23W to 29W.
		Lights	To indicate the PoE usage is over 30-watt PoE power budget.

45	Amber	Blinks	To indicate the PoE usage is around 38W to 44W.
		Lights	To indicate the PoE usage is over 45-watt PoE power budget.
60	Amber	Blinks	To indicate the PoE usage is around 53W to 59W.
		Lights	To indicate the PoE usage is at the maximum.

■ PoE Power Usage of WGS-818HP (Unit: Watt)

LED	Color	Function	
30	Amber	Off	To indicate the PoE usage is less than 14W.
		Blinks	To indicate the PoE usage is around 15W to 29W.
		Lights	To indicate the PoE usage is over 30-watt PoE power budget.
60	Amber	Blinks	To indicate the PoE usage is around 45W to 59W.
		Lights	To indicate the PoE usage is over 60-watt PoE power budget.
90	Amber	Blinks	To indicate the PoE usage is around 75W to 89W.
		Lights	To indicate the PoE usage is over 90-watt PoE power budget.
120	Amber	Blinks	To indicate the PoE usage is around 105W to 119W.
		Lights	To indicate the PoE usage is at the maximum.

2.4 DIP Switch

The front panel of Wall-mount Gigabit Switch provides one DIP switch for **Standard**, **VLAN** and **Extend** mode selections. The detailed descriptions are shown in the following table.

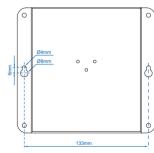| DIP Switch Mode	Function
Standard / VLAN / Extend	This mode makes the Wall-mount Gigabit Switch operate as a general switch and all ports operate at 10/100/1000Mbps auto-negotiation.
Standard / VLAN / Extend	This mode makes the Wall-mount Gigabit Switch operate as a **VLAN isolation** switch and 1. **Port 1 to port 6** will isolate respectively. 2. Port 1 to port 6 can only communicate with **port 7 and port 8** (uplink port).
Standard / VLAN / Extend	This mode makes the Wall-mount Gigabit Switch operate as a VLAN isolation switch and 1. **Port 1 to port 6** will isolate respectively. 2. Port 1 to port 6 can only communicate with **port 7 and port 8** (uplink port). 3. 22~25-watt PoE transmit distance of 250m at speed of 10Mbps.

Note: Please reboot the Wall-mount Gigabit Switch after adjusting the DIP switch.

2.5 Physical Dimensions

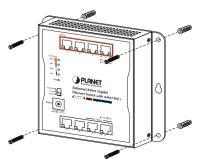W x D x H: 148 x 24.2 x 134 mm

3. Installation

3.1 Wall-mount Installation

To install the Wall-mount Gigabit Switch on the wall, simply follow the following steps:

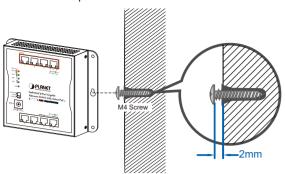**Step 1:** Place the Wall-mount Gigabit Switch on the wall and mark the four holes with a pencil.

Step 2-1: Hammer the anchors provided into the four holes and use the four screws to tightly fix the switch onto the wall by screwing them.
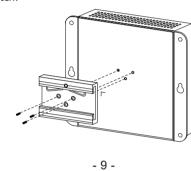
Step 2-2: Or the switch, shown in the picture below, can be hung on the wall by screwing the two screws leaving a space of 2mm apart after the anchors are hammered in.

M4 Screw

2mm

3.2 DIN-rail Mounting Installation
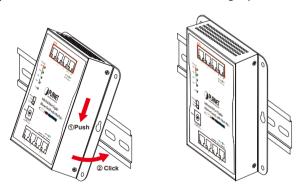
The DIN-rail kit is included in the Wall-mount Gigabit Switch package. To hang up the Wall-mount Gigabit Switch, follow the steps below:

Step 1: Screw the DIN-rail bracket on the Wall-mount Gigabit Switch.

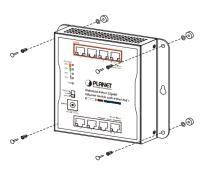**Step 2:** Lightly press the bottom of DIN-rail bracket into the track.

Step 3: Check whether the DIN-rail bracket is tightly on the track.

①Push
②Click

3.3 Magnet Installation

To install the Wall-mount Gigabit Switch on a magnetic surface, simply follow the following diagram:

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

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

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Appendix: Product Specifications

Model	WGS-814HP	WGS-818HP
Hardware Specifications		
Network Connector	8-port RJ45 for 10/100/1000BASE-T Auto-negotiation and auto MDI/MDI-X	
PoE Inject Port	4	8
Power Requirements	48~56V DC, 1.5A max.	48~56V DC, 3A max.
Power Consumption	70 watts/239 BTU	137 watts/467 BTU
ESD Protection	4KV DC	
Surge Protection	6KV DC	
DIP Switch	Selectable operation mode Standard/VLAN/Extend	
Enclosure	IP30 metal	
Dimensions	148 x 24.2 x 134 mm (W x D x H)	
Weight	472 g	474 g
Switch Specifications		
MAC Address Table	4K MAC address table with auto learning function	
Data Buffer	64Kbytes	
Switch Fabric	16Gbps	
Switch Throughput	11.9Mpps@64bytes	
Flow Control	Back pressure for half duplex. IEEE 802.3x pause frame for full duplex	

Industrial 8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch with 4-/8-Port PoE

WGS-814HP/WGS-818HP

www.PLANET.com.tw

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2350-AW2010-000

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

CE EAC

Energy Saving Note of the Device
This power required device does not support Standby mode operation. For energy savings, please remove the AC adapter from the device for power disconnection. Without removing the AC Adapter, the device will still consume power from the power source. In the view of Saving the Energy and reducing the unnecessary power consumption, it is strongly suggested to remove the AC adapter from the device if this device is not intended to be active.

Power over Ethernet		
PoE Standard	IEEE 802.3at Power over Ethernet Plus PSE Backward compatible with IEEE 802.3af PoE	
PoE Type	End-span PSE	
Power Pin Assignment	1/2(+), 3/6(-)	
PoE Power Output	Per port 52V~54V DC, 30 watts (max.)	
PoE Power Budget	60 watts	120 watts
Standard Conformance		
Standard Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3az Energy Efficient Ethernet (EEE)	
Regulatory Compliance	FCC Part 15 Class A, CE	
Environment		
Operating	Temperature: -20 ~ 60 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	
Storage	Temperature: -20 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	