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

Model: WM8-4G-4GP+EC

User's Manual

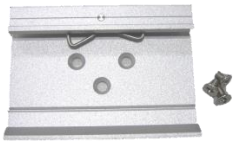
1. Package Contents

Thank you for purchasing WM8-4G-4GP+EC industrial 8-port 10/100/1000T Wall-mounted Gigabit Ethernet Switch.

Model Name	10/100/1000T Copper Ports	802.3at PoE+ Ports	Power Adapter
WM8-4G-4GP+EC	8	4	DC 54V, 1.33A

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

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

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.

■ **WM8-4G-4GP+EC Front View**

2.2 LED Indicators

■ System and Ports

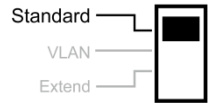
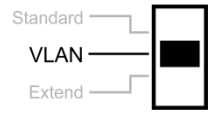
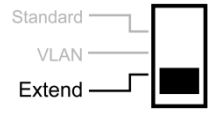
LED	Color	Function
PWR	**Green**	**Lights** to indicate that the Switch has power.
LNK/ACT	**Green**	**Lights** To indicate the link through that port is successfully established. **Blinks** To indicate that the switch is actively sending or receiving data over that port.
PoE-in-Use	**Amber**	**Lights** 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 (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.

2.3 DIP Switch

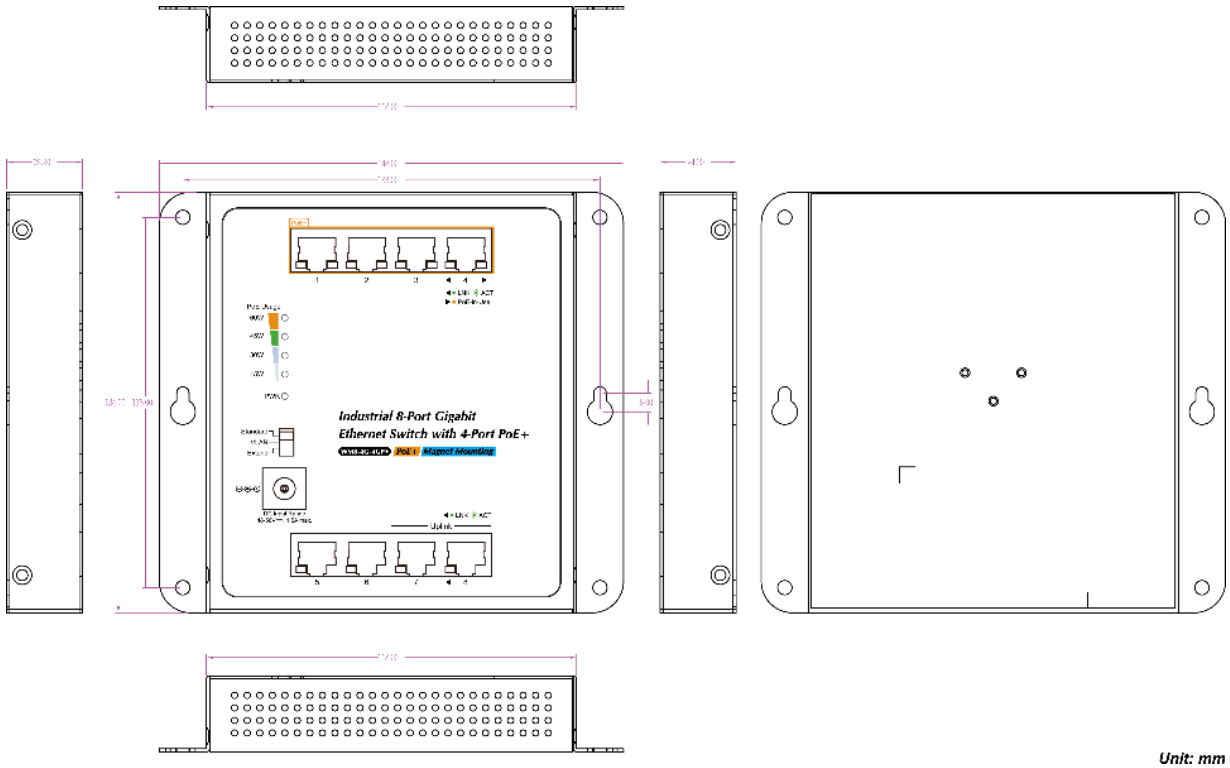
The front panel of Wall-mount Gigabit Switch provides one DIP switch for **Standard**, **VLAN** and **Extend** mode selections. The detailed descriptions are shown in the following table.

DIP Switch Mode	Function
	This mode makes the Wall-mount Gigabit Switch operate as a general switch and all ports operate at 10/100/1000Mbps auto-negotiation.
	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 will only communicate with port 7 and port 8 (uplink ports).
	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 will only communicate with port 7 and port 8 (uplink ports). 3. 22~25-watt PoE transmit distance of 250m at speed of 10Mbps.

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

2.4 Physical Dimensions

WxDxH: 148 x 24.2 x 134 mm



Unit: mm

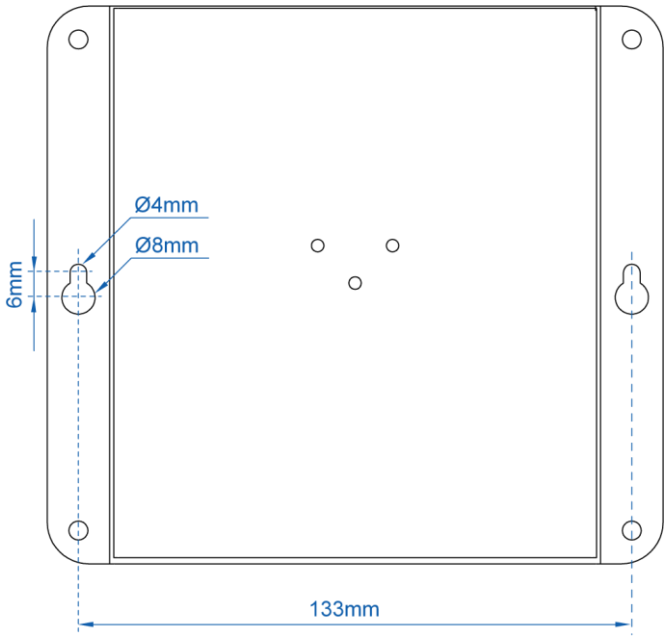
Note	Model number may or may not be permanently screen printed on front of unit.

3. Installation

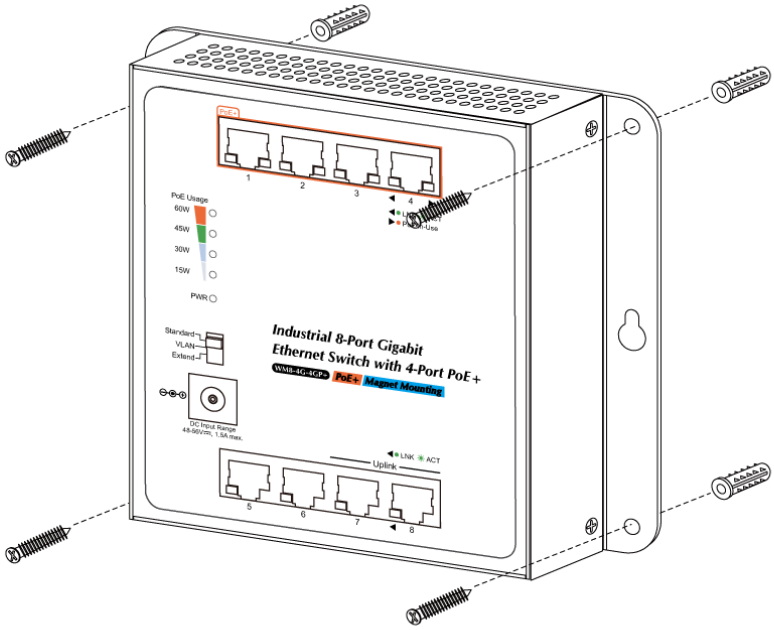
3.1 Wall-mount Installation

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

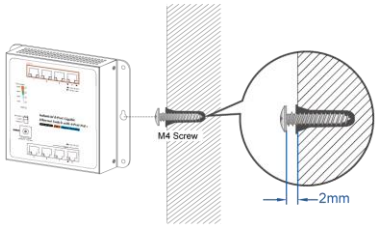
Step 1: Place the Wall-mount Gigabit Switch on the wall and mark the four holes with a pencil.



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 in.



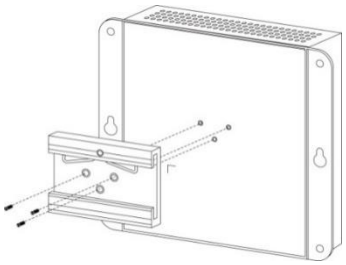
Step 2-2: Or the Switch, as shown in the picture below, can be hung on the wall by screwing the two screws leaving a space of 2mm apart after the anchors are hammered in.



3.2 DIN-rail Mounting Installation

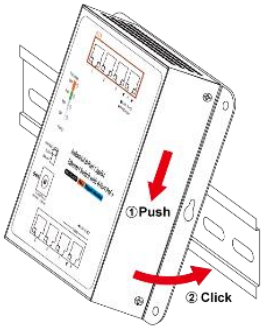
The DIN-rail kit is included in the Wall-mount Gigabit Switch package. To hang up the Wall-mount Gigabit Switch, follow the steps below:

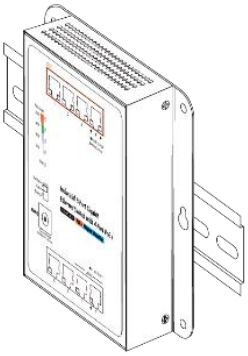
Step 1: Screw the DIN-rail bracket on the Wall-mount Gigabit Switch.



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

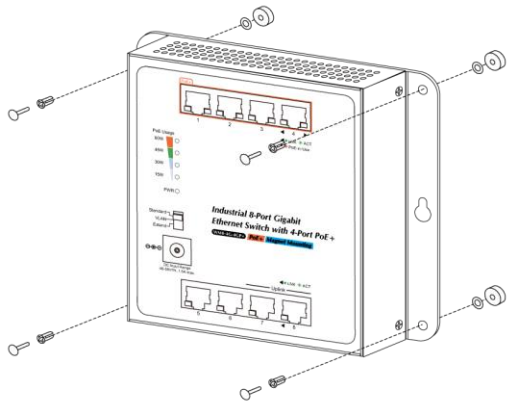
Step 3: Check whether the DIN-rail bracket is tightly on the track.





3.3 Magnet Installation

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



4. Customer Support

Thank you for purchasing ShowMeCables products. You can browse our online resources and User's Manuals on www.ShowMeCables.com. If you require sales or support information, please contact the ShowMeCables support team using the information found below or using ShowMeCables' online chat tool.

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Appendix: Product Specifications

Model	WM8-4G-4GP+EC
Hardware Specifications	
Network Port Type	8x RJ45 with 10/100/1000BASE-T Auto-negotiation and auto MDI/MDI-X
PoE Capable Ports	4
Power Requirements	48~56V DC, 1.5A max.
Power Consumption	70 watts/ 239 BTU
ESD Protection	4KV DC
Surge Protection	6KV DC
DIP Switch Options	Selectable operation mode - Standard / VLAN / Extend
Enclosure Type	IP30 metal
Dimensions	148 x 24.2 x 134 mm (W x D x H)
Weight	472 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
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
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: -10 ~ 60 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -20 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)

Energy Saving Note of the Device – AC Adapter
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.