

Installation Guide

Omada Industrial Easy Managed PoE Switch

The images in this guide are for demonstration only and may differ from your actual product.



For more information, refer to the latest version of the switch's Quick Start Guide by scanning the QR code or visiting <https://support.omadanetworks.com/document/>.

LED Explanation

LED		Explanation
Power Status	P1	On: PWR1 power supply is on.
		Off: PWR1 power supply is off.
	P2	On: PWR2 power supply is on.
		Off: PWR2 power supply is off.
Link/Act		On (Green): Running at 1000 Mbps
Ports 1-5 of IES206GPP Ports 1-10 of IES210GPP		On (Yellow): Running at 10/100 Mbps Blinking: Transmitting/receiving data Off: No connected device
PoE Status		On: Providing PoE power
Ports 1-4 of IES206GPP Ports 1-8 of IES210GPP		Blinking: Current-overload/Short-circuit Off: No PD device or PoE Power not provided
PoE Max	PoE Max	On: Remaining power supply is ≤ 7 W Blinking: Remaining power supply remains ≤ 7 W for more than 2 minutes Off: Remaining power supply is > 7 W
SFP		On (Green): Running at 1000 Mbps
Ports 5F-6F of IES206GPP Ports 9F-10F of IES210GPP		Blinking: Transmitting/receiving data Off: No connected device

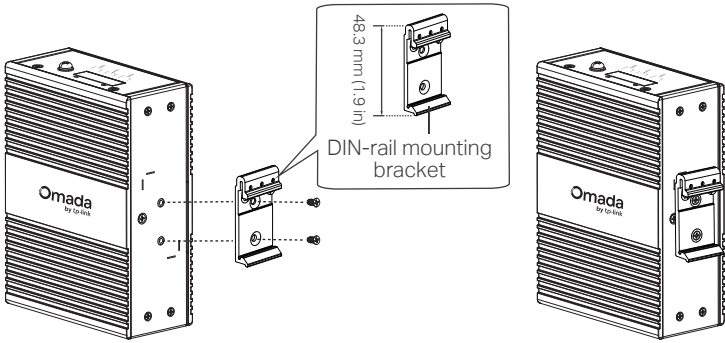
Note: For simplicity, this guide will use IES206GPP as an example throughout.

Installation

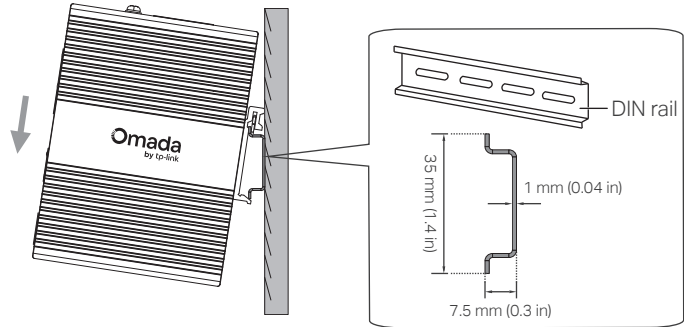
Note: The DIN-rail mounting bracket, wall-mounting plates, and M3X6 flathead screws are included in the package.

Option 1: DIN-Rail Mounting

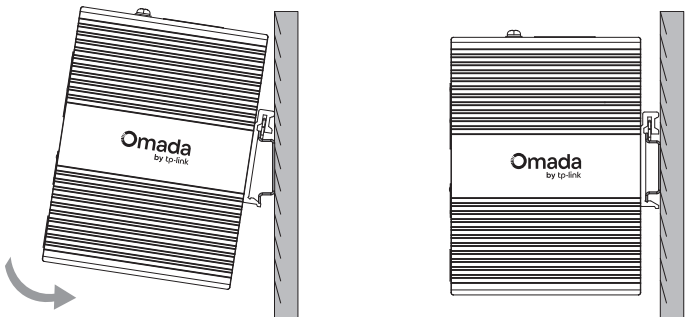
- Align the DIN-rail mounting bracket with the markings on the switch's rear panel and attach it to the panel with M3X6 flathead screws.



- Insert the upper lip of the DIN rail into the DIN-rail mounting bracket.

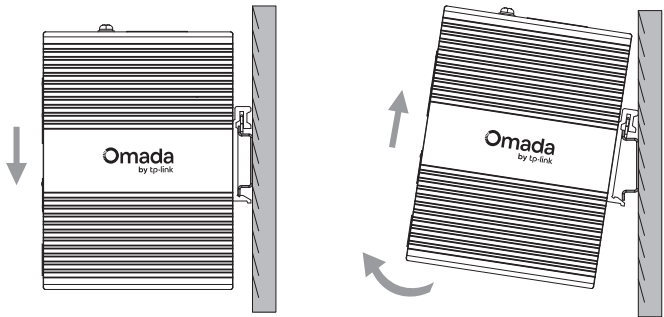


- Push the switch towards the DIN rail until it snaps into place.



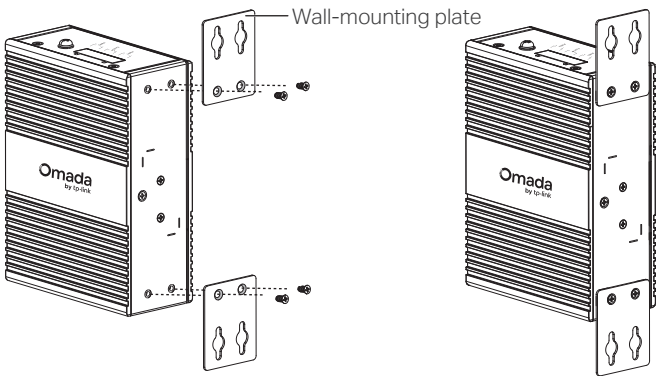
Removing from the DIN Rail:

- Pull down the switch to free the bottom of the bracket from the DIN rail.
- Slightly pull the switch away from the DIN rail and lift it straight up to unhook the switch from the DIN rail.



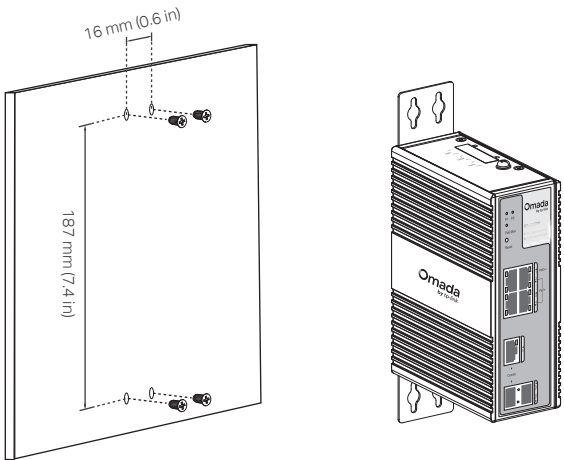
Option 2: Wall Mounting

- Attach the wall-mounting plates to the switch's rear panel with M3X6 flathead screws.

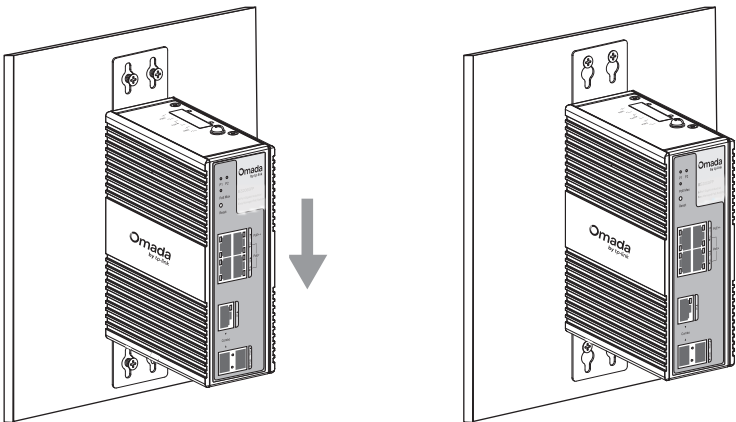


- Drill four holes in the wall aligned with the mounting holes on the wall-mounting plates. Insert four suitable expansion bolts (not included) into the holes, and securely tighten the screws into the bolts.

Note: The screws should comply with ANSI B1.1 4# standard. Leave a 2mm gap to allow room for sliding the wall-mounting plates between the wall and the screws.



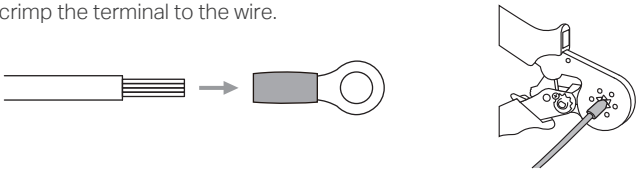
- Align the wall-mounting plates over the screws and insert the screw heads through the apertures of the wall-mounting plates. Then slide the switch downwards to lock it in place and tighten the screws to secure the switch.



Grounding the Switch

1. Use a standard Phillips screwdriver to remove the ground screw from the top panel of the switch. Keep the ground screw for later use.
2. Use a wire stripper to strip the ground wire.
- Note: The ground wire must be copper and at least 14 AWG.

3. Insert the ground wire into the ring terminal (not provided). Use a wire crimper to crimp the terminal to the wire.



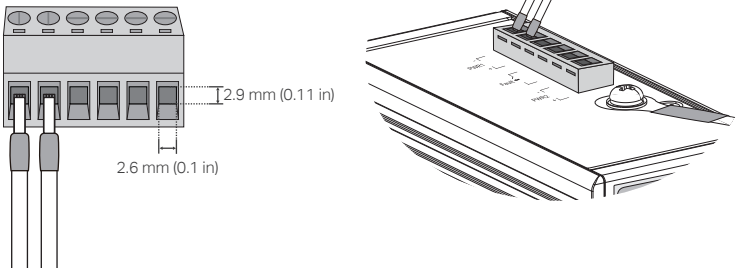
4. Pass the ground screw through the ring terminal, then secure it back into the top panel.
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5. Use a ratcheting torque screwdriver to tighten the ground screw and ring terminal to the switch's top panel.
6. Attach the other end of the ground wire to a grounded bare metal surface.

Wiring DC Power Supply

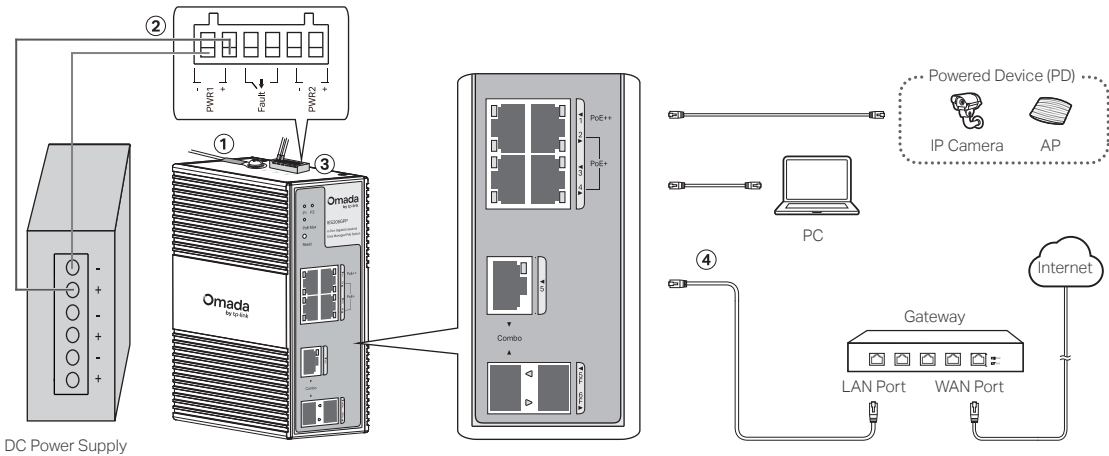
1. Use a wire stripper to strip each of the two wires from the DC power source.
- Note: The wires must be copper and at least 14 AWG. The recommended length of the wire to be stripped is 10 mm (0.39 inch).

2. Insert the wires into the copper ferrules (not provided). Use a wire crimper to crimp the ferrules to the wires.
- Note: The recommended length of the copper ferrules is 8 mm (0.31 inch).

3. Use a ratcheting torque flathead screwdriver to loosen the captive screws on the terminal block of the switch.
4. Connect the wires to the terminal block correspondingly. Insert the terminal block into the top panel of the switch.



Connection



- ① Ground the switch properly.
- ② Connect the terminal block to the DC power supply (keep the power off).
- ③ Insert the terminal block into the switch.
- ④ Connect the switch to the internet.*
- * Ports 5 and 5F of IES206GPP, ports 9 and 9F, ports 10 and 10F of IES210GPP form combo port pairs, respectively. Only one of the ports in the pair can be active at a time.

- Safety Precautions:**
1. To ensure IP40 protection, tighten the ground screw and all the mounting screws on the switch regardless of installation method.
2. Keep the power off until everything is properly connected.
3. To avoid any device damage and bodily injury, connect the grounding stud to the grounding surface properly before connecting devices.
4. Maintain an ambient temperature range of -40 °C~75 °C.

Power Specifications	
Power Input	12-57 VDC
PoE Power Budget	For IES206GPP: 60 W (Input: 12 V / 7.2 A - 21 V / 3.5 A) 120 W (Input: 21 V / 6.5 A - 57 V / 2.3 A)
	For IES210GPP: 60 W (Input: 12 V / 7.2 A - 21 V / 3.7 A) 120 W (Input: 21 V / 6.7 A - 46 V / 3.1 A) 240 W (Input: 46 V / 5.7 A - 57 V / 4.4 A)
	PoE Power Up to 60 W (PoE++ Port)
	Per Port Up to 30 W (PoE+ Port)
Fault Relay	24 V / 1 A (Max)
Note:	
1. The PoE ports shall not be used to charge lithium batteries or devices powered by lithium batteries.	
2. The PoE budget is based on lab tests and may vary due to power supply, client limitations, and environmental factors.	
3. The Fault Relay is a normally closed contact that will open the circuit when a Fault event is triggered.	

Configuration

The switch supports two configuration methods:

- Standalone Mode: Configure and manage the switch individually. To set up a standalone Omada switch, scan the QR code or refer to <https://www.omadanetworks.com/support/faq/4097/>.
- Controller Mode: Configure and manage the network devices centrally. This mode is recommended for large-scale networks with numerous devices, including access points, switches, and gateways. To set up an Omada switch with an Omada Controller, scan the QR code or refer to the Omada Controller configuration guide at <https://www.omadanetworks.com/support/faq/4096/>.



Omada App

With the TP-Link Omada app, you can access and manage your Omada devices at a local site or remotely with a tap of your phone. You can download and install the TP-Link Omada app from the App Store or Google Play.

Download on the App Store

GET IT ON Google Play

or

Scan for Omada App

Download Omada App

For detailed instructions on device configuration, refer to the user guides of the Controller and switches. The guides can be found in the support center of our official website: <https://support.omadanetworks.com/document/>.

More Resources

Main Site	https://www.omadanetworks.com
Video Center	https://support.omadanetworks.com/video
Documents	https://support.omadanetworks.com/document
Product Support	https://support.omadanetworks.com/product
Technical Support	https://support.omadanetworks.com/contact-support

Warranty

For details on the warranty period, policy, and procedures, visit <https://support.omadanetworks.com/warranty-services>.

For technical support, user guides and other information, please visit <https://support.omadanetworks.com/>, or simply scan the QR code.



EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2011/65/EU and (EU)2015/863. The original EU declaration of conformity may be found at <https://www.tp-link.com/en/support/ce/>

UK declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016. The original UK declaration of conformity may be found at <https://www.tp-link.com/support/ukca/>

Safety Information

● Keep the device away from water, fire, humidity or hot environments.

● Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.

● Adapter shall be installed near the equipment and shall be easily accessible.

● Place the device with its bottom surface downward.

● The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.

