

PT-PD208GT PoE Splitter

Quick Installation Guide



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Please do not dispose of the old product in your general household waste bin.



The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

Overview

The installation Guide for PT-PD208GT and mainly introduces the hardware specification, installation methods, and precautions of the installation. There may be differences in the appearance and configuration from other models. All product images in this manual are for illustration purposes only and may differ from the actual product.

This manual includes the following chapters:

1. Product Introduction. Including the basic functions and specification of PT-PD208GT, as well as the product appearance and applications introduction.
2. Installation Introduction. Introducing the preparation work and precautions before installing the product.
3. Product Installation. Two methods of product installation.

For whom

Network Engineers

Network Administrators

Field Technicians

Table of contents

1.Introduction	01
1.1 Introduction.....	01
1.2 Appearance.....	01
1.3 Specification.....	03
2.Installation Preparation	04
2.1 Package contents.....	04
2.2 Installation toolkit.....	04
2.3 Inspection.....	04
3.Installation	06
3.1 Wall mounting.....	06
3.2 Slot-Fasten mounting.....	08
3.3 Grounding.....	09
3.4 Inspection.....	11

1.Introduction

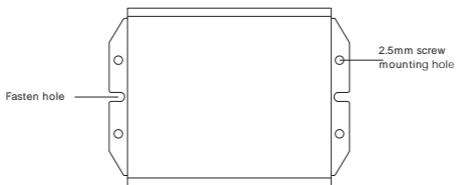
1.1 Introduction

PT-PD208GT is a single-port PoE splitter with a high-impact metal shell. It works as a converter separating power and data from the PoE source and then delivering power and data to non-PoE devices. DIP switch for 12V and 24V adjustable output voltage. Working for 25W non-PoE PDs, such as power communication stations, wireless APs, network cameras, and other non-PoE terminals. Supporting 10/100/1000Mbps of data speed.

It is powered by IEEE802.3at standard PSE or PoE+ Switch at 30W. The effective distance is 100 meters over Cat5e/Cat6 cables from data source to terminal device. Isolated design inside to avoid high current input damage. The model is easy to install with two mounting holes.

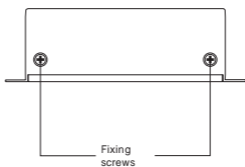
1.2 Appearance

- Upper view



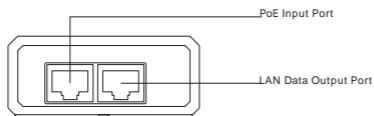
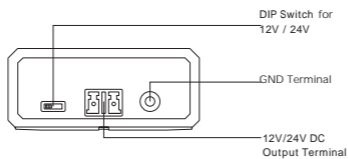
1-1 Upper view

• Side view



1-2 Side view

• Front view



1-3 Front view

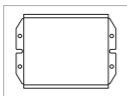
1.3 Specification

Items	Description	
Input	40-57Vdc 2.0A Max	
PoE Standard	IEEE802.3af/at/PoE+	
Power Pins	4/5(+),7/8(-) & 3/6(+),1/2(-)	
Output	12Vdc 2.15A Max	24Vdc 1.05A Max
Data Speed	10/100/1000Mbps	
Work Temp.	12/24Vdc 25W @-25 to 40	12/24Vdc 13W @-25 to 65
OperatingHumidity	20%-80% , non-condensation	
OperatingAltitude	Up to 2000 meters	
Storage Temp.	-20 to 70	
StorageHumidity	10%-95% , non-condensation	
Network Protocol	IEEE802.3/IEEE802.3u/IEEE802.3ab	
Media Support	10/100/1000BASE-TX Cat5 or above UTP (328 feet)	
PoE SurgeProtection	Protected line:1,2,3,4,5,6,7,8	
	Common mode surge protection(10/700us): 6kV	
	Differential mode surge protection (10/700us): 1.5KV	
Regulatory Compliance	CE FCC	
IP Rated	IP40	
Dimensions	98.5mm × 70.27mm × 29.7mm (189.3g)	
LED	PWR	LED indicator
	FCC	FCC Part 15 Subpart B
	CE	EN 55032:2015/A11:2020
		EN 55035:2017/A11:2020

2.Installation Preparation

2.1 Package contents

Open the box of the PT-PD208GT and carefully unpack it, The box should contain the following items:



PT-PD208GT



Ground
lug Wire& 2.5
screw



Operation manual

2.2 Installation toolkit

These tools may be needed during equipment installation, and should be prepared by yourself: level ruler, marking pen, craft knife, wire stripper, network pliers, impact drill, different matching drillbits, rubber hammer, cross screwdriver, wrench, ladder, etc.

2.3 Inspection

2.3.1 Connect the device to a PoE switch and check the PWR LED to ensure proper function before installation.

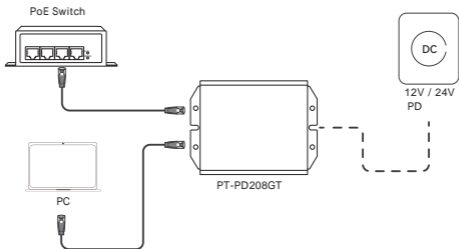
2.3.2 Connect the LAN port to the device requiring network access, such as a computer.

2.3.3 Connect the DC output to the device requiring 12V/24Vdc power supply, as shown in Figure 2-1.



Caution :

Please use PoE power supply equipment that complies with IEEE802.3af/at/PoE+ to connect this product.



2-1 Device connection

Connect PoE into the PoE switch, PWR LED indicates normal operation.
 LAN port to computer for network access, DC port to 12V/24Vdc
 device for power supply.
 Use DIP switch to control output voltage as needed.



Caution :

- We recommend to use Cat5 or higher UTP/STP cables for 100Base-TX Ethernet.
- We recommend to use Cat5e or above UTP/STP cables for 1000Base-T or 2.5G Base-T Ethernet.

To ensure better lightning protection for outdoor PD, it is recommended to use PROCET Ethernet surge protection products. For more information, please visit <http://www.procetpoe.com>

3.Installation

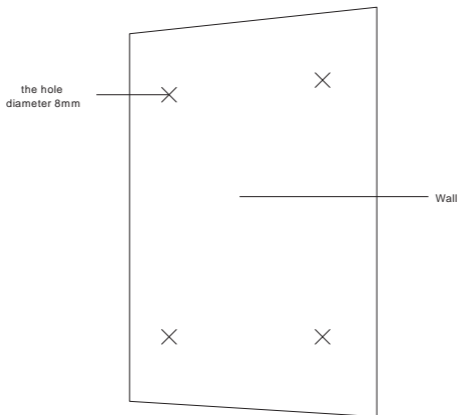
This product is safe to use for slot-fasten mounted and wall-mounted installation.

3.1 Wall mounting

The device will be fixed on the wall with screw into the poles, and the hole diameter should be between 8mm to10mm.

3.1.1 Mark the screw hole positions with marking pens.

As showed in 3-1.



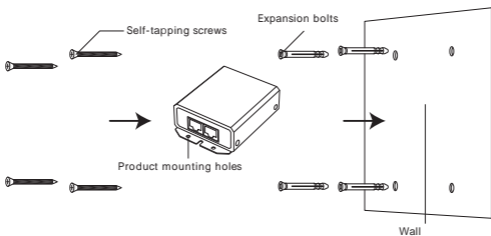
3-1

Marks for fixing

3.1.2 Drill an 8mm diameter hole at the marked position and fix the expansion bolt into the hole by hitting it with a rubber hammer.

3.1.3 Fix the product with screws and tighten them into the expansion bolts.

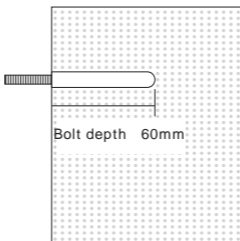
As showed in 3-2.



3-2 Installation

Caution in drilling process :

- Keep the drill bit perpendicular to the wall surface, hold the drill handle tightly with both hands, maintain a steady direction to avoid shaking and damaging the wall or causing the hole to tilt.
- If the wall is too hard and smooth for the drillbit to locate, use a center punch to make an indentation at the hole position to help guide the drillbit.
- The depth of each hole should be consistent.



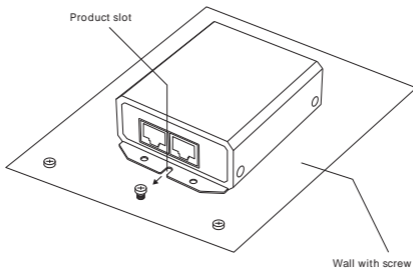
3-3 Bolt depth

3.2 Slot-fasten mounting

Use the slot-fasten mounting to fix the product on the wall with screws.

3.2.1 Loosen the screws and put the product slot into the screw.

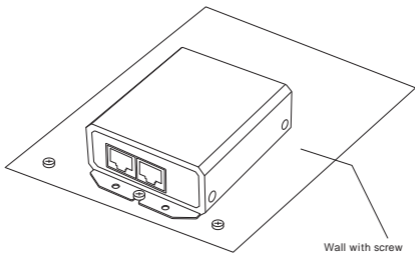
As showed in 3-4.



3-4 Slot-fasten Mounting

3.2.2 Make sure the slot is fixed to the screws tightly and tighten the screws.

As showed in 3-5.

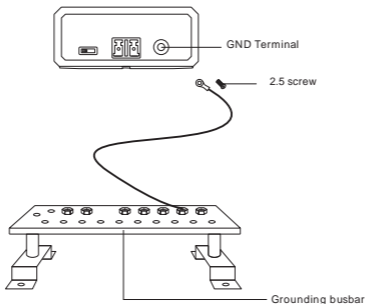


3-5 Slot-fasten installation

3.3 Grounding

PRO CET PoE splitter PT-PD208GT has the following grounding solutions for reference during construction:

If the installation is in the computer room, it can be connected to the dedicated grounding busbar in the room. The grounding busbar is a connecting conductor between the grounding bodies of the building, such as flat iron, flat steel, nanomaterial conductors, copper-clad steel, etc. Pls refer to the figure 3-6.



3-6 Grounding

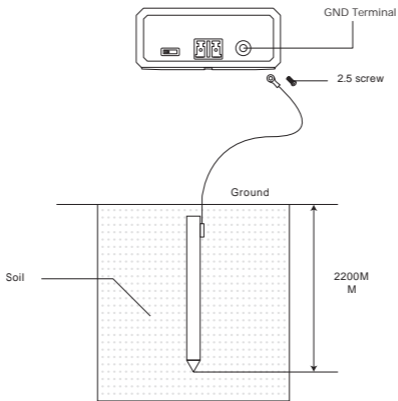
For the safety of personnel and equipment in an environment without dedicated grounding equipment, a simple grounding device can be constructed as follows:

- a. Prepare a 6mm² grounding wire or a braided soft copper wire.
- b. Prepare a copper tube or angleiron, or other metal tube, bury it underground to a depth of one meter or more as a grounding electrode.
- c. Use the grounding wire to connect the external grounding terminal of the product to the metal tube. (or angle iron)



Caution :

Use a galvanized metal pipe buried underground at a depth of one meter or more, such as a water or sewerage pipe, as an emergency grounding if no other grounding environment is available.



3-7 Simple grounding

3.4 Inspection after installation

Inspect the installed equipment before putting it into operation :

- Make sure the PoE switch is compliant with our product.
- Make sure the Ethernet cable connection is correct.

Make sure all connections are correct, and turn on the power, inspect all the indicators.

Qualification Card

PASS