

# TRENDnet®



## Quick Installation Guide

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## Industrial PoE L2 Managed Switches

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## 1. Before You Start

### Package Contents

- TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i
- Quick Installation Guide
- Console cable

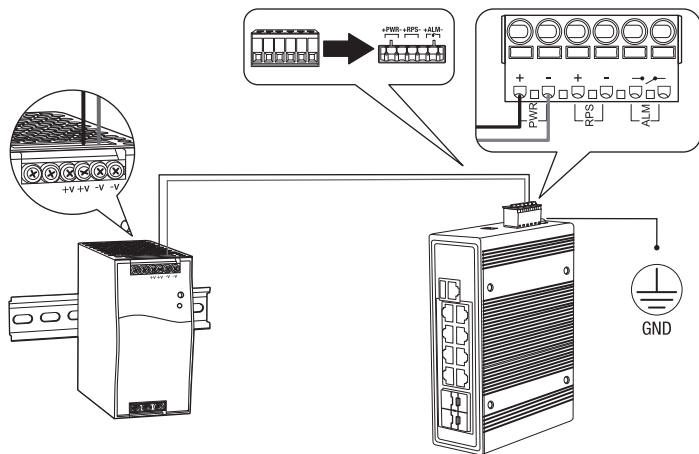
### Minimum Requirements

- Power supply (ex. model TI-S48048, TI-S24048)
- Networked computer
- RJ-45 Network Cable

### Optional Equipment

- 35 mm DIN-Rail
- SFP modules (e.g. TI-MGBSX, TI-MGBS10, TI-MGBS40)

## 2. Quick Reference



### 3. Hardware Installation

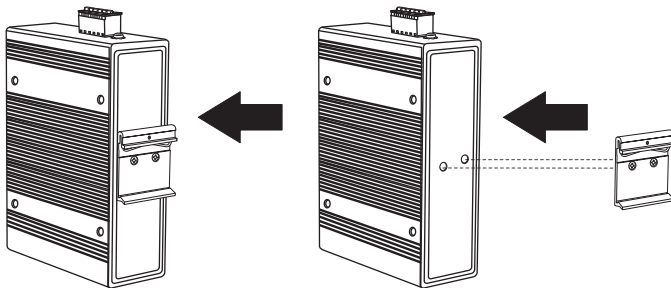
#### Note:

The maximum amount of power available is 30 Watts per port. If a power overload has occurred, the switch will prioritize the distribution of power by port (from lowest to highest). That is, port 1 will receive the highest priority and port 8 will receive the lowest priority. The ports with lower priority will have its PoE function disabled until more than 7.5 watts of power becomes available.

The TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i can be placed on a desktop, wall, or mounted to a DIN-Rail.

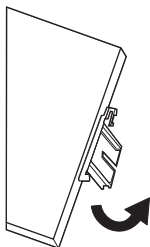
#### DIN-rail Mounting Instructions

1. Attach the DIN-Rail mount to TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i.

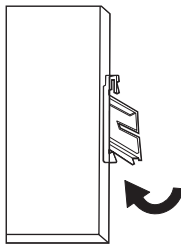


2. Position the unit in front of the DIN-Rail and hook the mount bracket over the top of the rail.

3. Rotate the TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i downward towards the rail to lock it into place. You will know it is secure when you hear a click.



**Mounting the unit**



**Releasing the unit**

4. To remove the unit, pull down to clear the bottom of the DIN-Rail and rotate away from the rail.

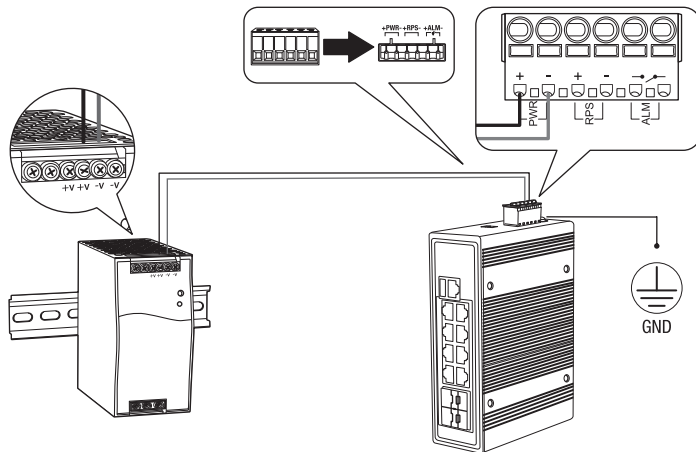
### **Applying Power**

1. Connect the power supply (sold separately) to the included terminal block (as shown below) and secure with the screws.

**Note:** Polarities must match.

2. Attach the terminal block to the unit.

**Optional:** The switch chassis can also be connected to a known grounding point for additional safety and protection (grounding wire is not included).



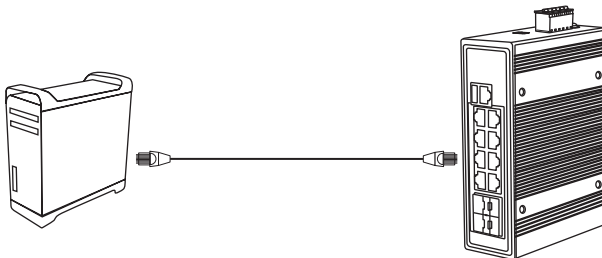
## Safety Note



- Turn off the power before connecting any module or wire. The correct power supply voltage (48 – 57 V DC) is listed on the product label. Check the voltage of your power source to make sure that you are using the correct part. Do NOT use voltage greater than 48 – 57 V DC, as specified on the product label.
- Calculate the maximum possible current in each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If the current surpasses the maximum ratings, the wiring could overheat, causing serious damage to your equipment.

## 4. Hardware Configuration

1

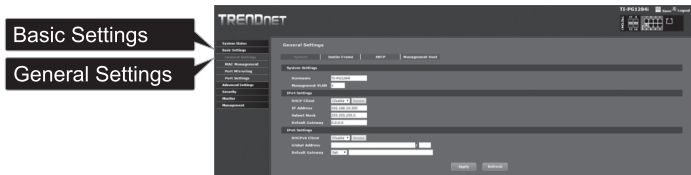


2. Assign a Static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.25) and a subnet mask of 255.255.255.0.
3. Open your web browser, type the IP address of the switch in the address bar, and then press **Enter**. The default IP address is 192.168.10.200
4. Enter the **User name** and **Password**, and then click **Login**. By default:  
User Name: **admin**  
Password: **admin**

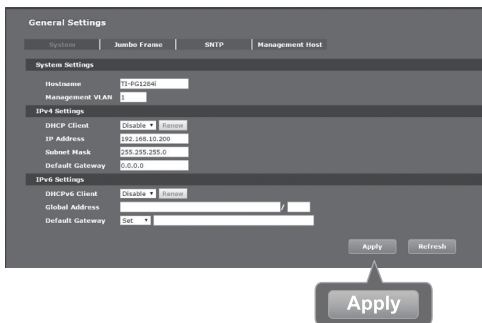
**Note:** User Name and Password are case sensitive.



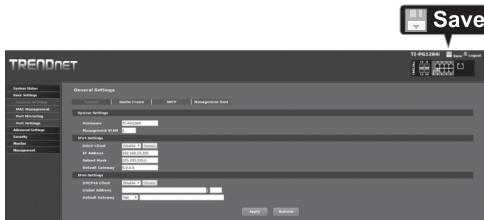
5. Click **Basic Settings** and then click **General Settings**.



6. Configure the switch to match the requirements of your network. Then click **Apply**.



7. Click **Save**.



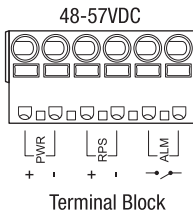
8. Connect a network source and devices to the switch. Check the LEDs to confirm the connections are established. Your installation is complete.



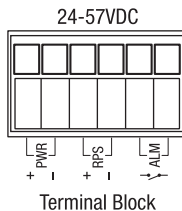
## 5. Additional Information

### Redundant power inputs

#### TI-PG1284i/TI-PG541i

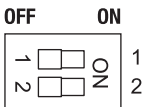


#### TI-PG102i/TI-PG102i-M



**Redundant Power Input:** “Terminal Block (PWR)” as primary power and “Terminal Block (RPS)” for secondary power source, to be a redundant power Input.

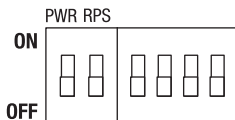
#### DIP Switch (TI-PG1284i/TI-PG541i)



ALM	
1	PWR
2	RPS

<b>PWR</b>	<b>ON:</b> Primary power alarm enabled
	<b>OFF:</b> Primary power alarm disabled
<b>RPS</b>	<b>ON:</b> Redundant power alarm enabled
	<b>OFF:</b> Redundant power alarm disabled

## DIP Switch (TI-PG102i/TI-PG102i-M)



Switch	Status	Function
1	OFF	Disable alarm relay for PWR power input
	ON	Enable alarm relay for power failure on PWR power input
2	OFF	Disable alarm relay for RPS power input
	ON	Enable alarm relay for power failure on RPS power input
3	OFF	Storm control managed by switch configuration
	ON	Enable storm control (Broadcast and DLF rate set to 300pps) Takes precedence over storm control switch configuration
4	OFF	802.1p QoS managed by switch configuration
	ON	Enable 802.1p QoS on ports 1 and 2 (Set CoS priority to tag 4 on ports 1 and 2) Takes precedence over 802.1p QoS switch configuration
5	OFF	Port 9 SFP set to Gigabit speed full duplex
	ON	Port 9 SFP set to 100Mbps speed full duplex
6	OFF	Port 10 SFP set to Gigabit speed full duplex
	ON	Port 10 SFP set to 100Mbps speed full duplex

## 6. LED Indicators

### TI-PG1284i/TI-PG541i

<b>PWR (Green)</b>	<b>ON:</b> Terminal block PWR is connected
	<b>OFF:</b> Terminal block PWR failure
<b>RPS (Green)</b>	<b>ON:</b> Terminal block RPS is connected
	<b>OFF:</b> Terminal block RPS failure
<b>ALM (Red)</b>	<b>ON:</b> PWR/RPS failure
	<b>OFF:</b> No alarm setup
<b>POST (Green)</b>	<b>ON:</b> Device system ready
	<b>Blinking:</b> System is getting ready
	<b>OFF:</b> Device system not ready
<b>10/100/1000 Mbps (Green)</b>	<b>ON:</b> Network speed at 1000 Mbps
	<b>OFF:</b> Network speed at 10/100 Mbps
<b>LINK/ACT (Green)</b>	<b>ON:</b> Port connection is established
	<b>Blinking:</b> Data is transmitting/receiving
	<b>OFF:</b> Port disconnected
<b>SFP Slots 9 - 12 (Green)</b>	<b>ON:</b> SFP port link-up at 1000 Mbps
	<b>Blinking:</b> Data is transmitting/receiving
	<b>OFF:</b> Port disconnected
<b>PoE Ports 1 - 8 (Green)</b>	<b>ON:</b> PoE/PoE+ device is connected
	<b>OFF:</b> No PoE power output or no PoE device connected

## TI-PG102i/TI-PG102i-M

LED	Status	Function
PWR	OFF	Terminal block PWR failure or disconnected
	ON	Terminal block PWR is connected
RPS	OFF	Terminal block RPS failure or disconnected
	ON	Terminal block RPS is connected
ALM (Red)	OFF	No alarm setup
	ON	PWR/RPS failure or disconnected
PoE (Ports 1 – 8)	OFF	No PoE power supplied
	ON	PoE power is supplied to connected device
10/100/ 1000Mbps (Ports 1 – 8)	OFF	Link speed established at 10Mbps or 100Mbps
	ON	Link speed established at 1000Mbps
LINK/ACT (Ports 1 – 8)	OFF	No link/port is disconnected
	ON	Port connection is established
	Blinking	Data transmission
SFP 9-10	OFF	No link/SFP is disconnected
	ON	SFP link is established
	Blinking	Data transmission

**Note:** To download the latest version of the user's guide, please go to <http://www.trendnet.com/support> and select the **TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i** within the Products Download dropdown list.

# Declaration of Conformity

TRENDnet<sup>®</sup>

## Manufacturer's Name and Address

TRENDnet, Inc.  
20675 Manhattan Place  
Torrance, CA 90501 USA

Zwolsestraat 156 2587 WB  
The Hague The Netherlands



## Product Information:

**Model Number:** TI-PG1284i/TI-PG541i/TI-PG102i/TI-PG102i-M/TI-BG62i

**Product Name:** 12-Port Industrial Gigabit L2 Managed PoE+ DIN-Rail Switch  
6-Port Hardened Industrial Gigabit PoE+ Layer 2 Managed DIN-Rail Switch  
10-Port Industrial Gigabit L2 Managed PoE+ DIN-Rail Switch 24 – 57V  
10-Port Industrial Gigabit L2 Managed PoE+ DIN-Rail Switch 24 – 57V  
6-Port Industrial Gigabit L2 Managed PoE++ DIN-Rail Switch

**Trade Name:** TRENDnet

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

**EMC** EN 55032: 2015 + AC: 2016 Class A (TI-PG1284i, TI-PG102i, TI-PG102i-M)  
EN 55024: 2010 + A1: 2015 (TI-PG1284, TI-PG102i, TI-PG102i-M)  
EN 55024: 2010 (TI-PG541i)  
EN 55022: 2010 + AC: 2011 Class A (TI-PG541i)  
CISPR 22: 2008 (Ed 6.0) (TI-PG541i)  
AS/NZS CISPR 22:2009+A1:2010 (TI-PG541i)  
EN 55011: 2016 Group 1 Class A (TI-PG1284)  
EN 61000-6-4:2007 + A1: 2011 (TI-PG1284)  
EN 61000-6-2:2005 + AC: 2005 (TI-PG1284)  
EN 61000-3-2: 2014 (TI-PG541i)  
EN 61000-3-3: 2013 (TI-PG541i)

This product is herewith confirmed to comply with the Directives.

**Directives:** EMC Directive 2014/30/EU  
RoHS Directive 2011/65/EU  
RoHS 3 Directive 2015/863/EU  
REACH Regulation (EU) No. 1907/2006  
WEEE Directive 2012/19/EU

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: May 26, 2021

Name: Sonny Su

Title: VP of Technology

Signature: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'Sonny Su', is written over a horizontal line.



# Declaration of Conformity

TRENDnet®

## Manufacturer's Name and Address

TRENDnet, Inc.  
20675 Manhattan Place  
Torrance, CA 90501 USA  
Authorized Representative:  
Office: +44 (0) 1635 887 399  
Unit 4 Rivermead Business Park,  
Pipers Way, Thatcham, RG19 4EP England



## Product Information:

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6-Port Industrial Gigabit L2 Managed PoE++ DIN-Rail Switch

**Trade Name:** TRENDnet

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

**EMC** EN 55032: 2015 + AC: 2016 Class A (TI-PG1284i, TI-PG102i, TI-PG102i-M)  
EN 55024: 2010 + A1: 2015 (TI-PG1284, TI-PG102i, TI-PG102i-M)  
EN 55024: 2010 (TI-PG541i)  
EN 55022: 2010 + AC: 2011 Class A (TI-PG541i)  
CISPR 22: 2008 (Ed 6.0) (TI-PG541i)  
AS/NZS CISPR 22:2009+A1:2010 (TI-PG541i)  
EN 55011: 2016 Group 1 Class A (TI-PG1284)  
EN 61000-6-4:2007 + A1: 2011 (TI-PG1284)  
EN 61000-6-2:2005 + AC: 2005 (TI-PG1284)  
EN 61000-3-2: 2014 (TI-PG541i)  
EN 61000-3-3: 2013 (TI-PG541i)

This product is herewith confirmed to comply with the Directives.

**Directives:** Electromagnetic Compatibility Regulations 2016  
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012  
The REACH Enforcement Regulations 2008 (as amended)  
The Waste Electrical and Electronic Equipment Regulations 2013 (as amended)

Person responsible for this declaration.  
Place of Issue: Torrance, California, USA  
Date: May 26, 2021  
Name: Sonny Su  
Title: VP of Technology

Signature: \_\_\_\_\_

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# TRENDnet<sup>®</sup>

## Certifications

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference.  
(2) This device must accept any interference received. Including interference that may cause undesired operation.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- FCC Caution: Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Technical Support

If you have any questions regarding the product installation, please contact our Technical Support.  
Toll free US/Canada: **1-855-373-4741**  
Regional phone numbers available at [www.trendnet.com/support](http://www.trendnet.com/support)

## TRENDnet

20675 Manhattan Place  
Torrance, CA 90501  
USA

Applies to PoE Products Only: This product is to be connected only to PoE networks without routing to the outside plant.

## Note

The Manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Advertencia

En todos nuestros equipos se mencionan claramente las características del adaptador de alimentación necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños físicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energía eléctrica domiciliar existente en el país o zona de instalación.

## Power supply connected caution

The equipment power supply cord shall be connected to a socket-outlet with earthing connection.

## Advertencia

Le cordon d'alimentation de l'appareil doit être raccordé à une prise de courant avec mise à la terre.

If the Optical Transceiver doesn't ship with the unit, the user manual shall have description as below or equivalent: "This product is intended to be used with a UL Listed Optical Transceiver product, Rated DC3.3V, Laser Class I."

## Wall-mounted instructions

The Unit has two wall-mount slots on its bottom panel. Before you begin, make sure you have two screws that indicate a diameter measurement of 0.265748 inches (6.75mm).

- (1) Determine where you want to mount the modem.
- (2) Maneuver the modem so the wall-mount slots line up with the two screws.
- (3) Place the wall-mount slots over the screws and slide the modem down until the screws fit snugly into the wall-mount slots.
- (4) Screw type P3.5 x 16mm x 2

## Product Warranty Registration

Please take a moment to register your product online. Go to TRENDnet's website at: [www.trendnet.com/register](http://www.trendnet.com/register)