TRENDNET®

Quick Installation Guide

PoE Web Smart Switch Series

Table of Contents

1 English

1. Before You Start

Package Contents
- Quick Installation Guide
- Power cord (1.8m / 6 ft.)
- Rack mount kit

Optional Equipment
- EIA standard 19" rack
- SFP modules (e.g. TE100-MGBFX, TEG-MGBSX, TEG-MGBS10, TEG-MGBS40, TEG-MGBS80, TEG-MGBS10D3, TEG-MGBS10D5, TEG-MGBS40D3, TEG-MGBS40D5)

Minimum Requirements
- Computer with an Ethernet port and web browser
- Ethernet/Network cable
- Existing network with Internet access and DHCP server for automatic IP addressing (Required for setup with TRENDnet Hive Cloud Management only)

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Max Power over Ethernet Budget

TPE-1620WS PoE Power Budget: 185W	TPE-5240WS PoE Power Budget: 370W	TPE-1620WSF PoE Power Budget: 370W
TPE-5048WS PoE Power Budget: 740W	TPE-2840WS PoE Power Budget: 185W	TPE-30284 PoE Power budget: 370W
TPE-5028WS PoE Power Budget: 370W	TPE-204US PoE Power budget: 370W	TPE-1021WS PoE Power budget: 130W

2. Quick Reference

PoE Camera

PoE Camera

Network

PC

Note: The switch may be different than the one shown in the examples.

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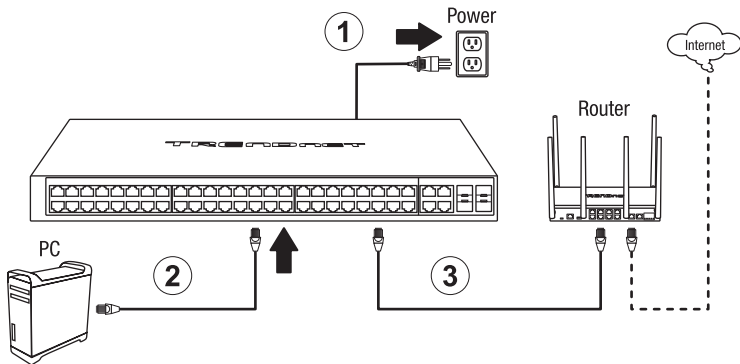
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3. Hardware Installation and Configuration

Note: If you are configuring the switch to be managed from your existing TRENDnet Hive cloud account, please follow the steps in section A: Configuring the switch with TRENDnet Hive Cloud Management. If you are configuring the switch for local network management only, please follow the steps in section B: Configuring the switch for local network management.
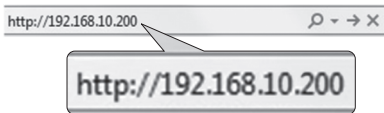
Section A: Configuring the switch with TRENDnet Hive Cloud Management

Note: Configuration with TRENDnet Hive Cloud Management requires an existing network with Internet access and DHCP server for automatic IP addressing. The switch must be configured to reach the Internet in order to connect to your TRENDnet Hive Cloud Management account.

1. Connect the included power cord to the switch power input and to a power outlet.

2. Connect an Ethernet/network cable to your computer and one of the switch ports.

3. Connect another Ethernet/network cable to one of your switch ports and to your existing network or router with Internet access and DHCP server for automatic IP addressing.

4. 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.

5. 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 / 255.255.255.0.
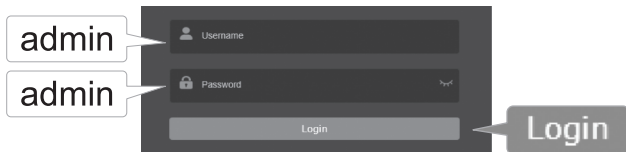

6. Enter the **User name** and **Password**, and then click **Login**. By default:
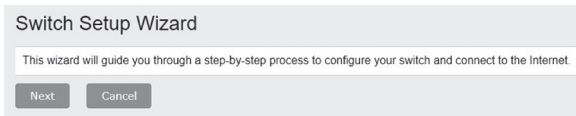   User Name: **admin**
   Password: **admin**

   Note: The user name and password are case sensitive.

7. Click **Next** on the **Switch Setup Wizard**.

Note: If the switch setup wizard does not appear, you can click the setup wizard button 🪄 in the top right section of the switch management page to access the switch setup wizard.
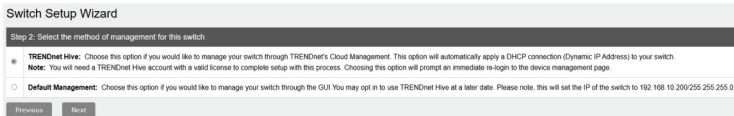
Switch Setup Wizard

This wizard will guide you through a step-by-step process to configure your switch and connect to the Internet.

Next   Cancel

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8. You can change the switch administrator password by typing in the new password in the fields provided, then click **Next**.

   Note: If entering a new password, please note that you will need to use the new password when logging into the switch management page for local management access moving forward.

9. For the method of management, select **TRENDnet Hive**.
   Note: Configuration with TRENDnet Hive Cloud Management requires an existing network with Internet access and DHCP server for automatic IP addressing. The switch must be configured to reach the Internet in order to connect to your TRENDnet Hive Cloud Management account. If the switch is unable to reach to obtain IP address settings and DNS from the DHCP server and unable to reach the Internet, registration of the switch to your TRENDnet Hive cloud management account will fail.
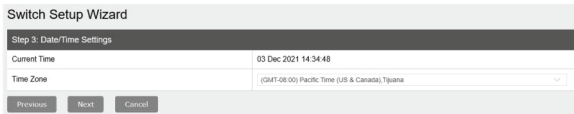

10. After selecting **TRENDnet Hive**, click **Next** and change your computer's network adapter settings to obtain an IP address automatically to continue the rest of the setup wizard.
    Note: After selecting the TRENDnet Hive option and clicking Next, the switch will immediately change the switch default IP address settings to DHCP and obtain IP address settings from your existing network.

11. Select your **Time Zone**, then click **Next**.

12. Enter the user account credentials for your TRENDnet Hive Cloud Management account to register the switch with your account, then click **Next**.

Switch Setup Wizard

Step 4: Input your Hive credentials to sync the switch to your Hive account.

| Username | XXXXXXXXX |
| Password | .... |

Previous   Next   Cancel

13. The summary page will display all of the configuration settings that were applied through the setup wizard. Click **Apply** to complete the setup wizard.
Note: You may want to note the new password and IP address settings for local management access to switch.

Switch Setup Wizard

System Information

Write down the below information and store it in a safe place. The below information are the current settings that will be applied to the switch. Click **Apply** below to finalize the settings.

| System Time | 03 Dec 2021 14:28:23 |
Username	admin
Password	******
Switch IP Address	192.168.10.200
Subnet Mask	255.255.255.0
Gateway IP Address	192.168.10.254
DNS	8.8.8.8

Previous   Apply   Cancel

14. To verify the switch is now successfully registered with your TRENDnet Hive Cloud Management account, the Hive button in the top right will be green to indicate successful registration.

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Section B: Configuring the switch for local network management

1. Connect the included power cord to the switch power input and to a power outlet.
2. Connect an Ethernet/network cable to your computer and one of the switch ports.
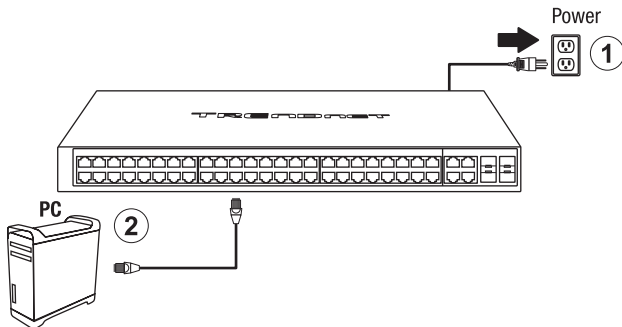
3. Assign a Static IP address to your computer's network adapter in the subnet of 192.168.10.x (e.g. 192.168.10.25) and a subnet mask of 255.255.255.0.
4. Open your web browser, type the IP address of the switch in the address bar, and then press **Enter**. The default IP address is 192.168.10.200 / 255.255.255.0.
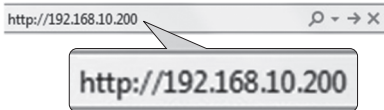
5. Enter the **User name** and **Password**, and then click **Login**. By default:
   User Name: **admin**
   Password: **admin**

   Note: The user name and password are case sensitive.
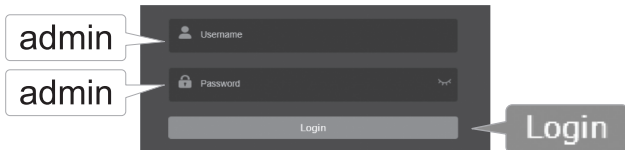
6. Click **Next** on the **Switch Setup Wizard**.

Note: If the switch setup wizard does not appear, you can click the setup wizard button ⚒ in the top right section of the switch management page to access the switch setup wizard.

Switch Setup Wizard

This wizard will guide you through a step-by-step process to configure your switch and connect to the Internet.

Next   Cancel

7. You can change the switch administrator password by typing in the new password in the fields provided, then click **Next**.

   Note: If entering a new password, please note that you will need to use the new password when logging into the switch management page for local management access moving forward.

Switch Setup Wizard

Step 1: Change your login credentials	
Username	admin
Password	(Maximum length is 20)
Confirm Password	

Previous   Next   Cancel

8. For the method of management, select **Default Management**.

Switch Setup Wizard

Step 2: Select the method of management for this switch

○ **TRENDnet Hive**: Choose this option if you would like to manage your switch through TRENDnet's Cloud Management. This option will automatically apply a DHCP connection (Dynamic IP Address) to your switch.
Note: You will need a TRENDnet Hive account with a valid license to complete setup with this process. Choosing this option will prompt an immediate re-login to the device management page.

⦿ **Default Management**: Choose this option if you would like to manage your switch through the GUI. You may opt in to use TRENDnet Hive at a later date. Please note, this will set the IP of the switch to 192.168.10.200/255.255.255.0.

Previous   Next

9. Configure the switch date and time settings, then click **Next**.

Switch Setup Wizard

Step 3: Date/Time Settings				
Current Time	08 Dec 2021 13:37:33			
Date Settings	2021	/ 12	/ 08	(YYYY:MM:DD)
Time Settings	13	: 37	: 33	(HH:MM:SS)

Previous   Next   Cancel

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10. Configure the switch IP address, subnet mask, gateway IP address, and DNS settings to match the requirements of your existing network using the fields provided, then click **Next**.

   <u>Note</u>: If the switch IP address settings are changed to a different IP network subnet such as 192.168.1.x, 192.168.2.x, etc. your computer's network adapter settings will need to be changed to match the new IP address settings configured on the switch in order to access the switch management page.

Switch Setup Wizard	
Step 4: Input your IP settings in the fields below	
IP Address	192.168.10.200
Subnet Mask	255.255.255.0
Gateway IP Address	0.0.0.0
DNS	0.0.0.0
Previous Next Cancel	

11. The summary page will display all of the configuration settings that were applied through the setup wizard. Click **Apply** to complete the setup wizard.

   <u>Note</u>: You may want to note the new password and IP address settings for local management access to switch.

Switch Setup Wizard	
System Information	
Write down the below information and store it in a safe place. The below information are the current settings that will be applied to the switch. Click **Apply** below to finalize the settings	
System Time	08 Dec 2021 13:42:09
Username	admin
Password	******
Switch IP Address	192.168.10.200
Subnet Mask	255.255.255.0
Gateway IP Address	0.0.0.0
DNS	0.0.0.0
Previous Apply Cancel	

<u>Note</u>:

1. If you would like to easily discover all the Web Management Switches on the network, assign IP address, change password, then install the Web Smart Switch Management Utility. Follow the steps provided on the User's Guide.

2. To download the latest version of the User's Guide and the utility, please go to https://www.trendnet.com/support and select the **Switch Model** from the products drop-down list.

Declaration of Conformity

TRENDNET®

Manufacturer's Name and Address

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

Zwolsestraat 156 2587 WB
The Hague The Netherlands

$C\epsilon$

Product Information:

Model Number: TPE-1021WS / TPE-1620WS / TPE-1620WSF / TPE-2840WS
TPE-5028WS / TPE-5240WS / TPE-5048WS / TPE-30284

Product Name: 10-Port Gigabit Web Smart 123W PoE+ Switch / 20 -Port Gigabit Web Smart PoE+ Switch /
20-Port Gigabit Web Smart 370W PoE+ Switch / 28-Port Gigabit Web Smart PoE+ Switch /
28-Port Gigabit Web Smart PoE+ Switch / 52-Port Gigabit Web Smart PoE+ Switch /
52-Port Gigabit Web Smart PoE+ Switch /
28-Port Gigabit Web Smart PoE+ Switch with 10G SFP+ slots

Trade Name: TRENDnet

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

Safety   EN 62368-1:2014 + A11: 2017

EMC   EN 55035:2017+A11:2020 (TPE-1021WS, TPE-1620WS, TPE-1620WSF, TPE-2840WS, TPE-5028WS,
TPE-5240WS, TPE-5048WS, TPE-30284)
EN 55032:2015+A11:2020 (Class A)(TPE-1021WS, TPE-1620WS, TPE-1620WSF, TPE-2840WS,
TPE-5028WS, TPE-5240WS, TPE-5048WS, TPE-30284)
EN 55035:2017 (TPE-1021WS)
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019

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
WEEE Directive 2012/19/EU
REACH Regulation (EC) No. 1907/2006
Low Voltage Directive 2014/35/EU

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: January 07, 2022

Name: Sonny Su

Title: VP of Technology

Signature:

Declaration of Conformity

TRENDnet®

Manufacturer's Name and Address

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

UK
CA

Authorized Representative:
Office: +44 (0) 1635 887 399
Unit 4 Rivermead Business Park,
Pipers Way, Thatcham, RG19 4EP England

Product Information:

Model Number: TPE-1021WS / TPE-1620WS / TPE-1620WSF / TPE-2840WS
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            TPE-5240WS, TPE-5048WS, TPE-30284)
            EN 55032:2015+A11:2020 (TPE-1021WS, TPE-1620WS, TPE-1620WSF, TPE-2840WS,
            TPE-5028WS, TPE-5240WS, TPE-5048WS, TPE-30284)
            EN 55035:2017 (TPE-1021WS)
            BS EN IEC 61000-3-2:2019
            BS EN 61000-3-3:2013+A1:2019

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 Waste Electrical and Electronic Equipment Regulations 2013 (as amended)
                  The REACH Enforcement Regulations 2008 (as amended)
                  Electrical Equipment (Safety) Regulations 2016

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: January 07, 2022

Name: Sonny Su

Title: VP of Technology

Signature:

TrendNet, Inc.
INCORPORATED
SEPT. 3
2009
CALIFORNIA

TRENDNET®

UL Warning

1) Elevated Operating Ambient Temperature - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature (Tmra).

2) Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

3) Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

4) Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on over current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

5) Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

Rack Installation

The Switch can be mounted in an EIA standard, 19-inch rack, which can be placed in a wiring closet with other equipment. To install, attach the mounting brackets on the switch's front panel (one on each side) and secure them with the screws provided.
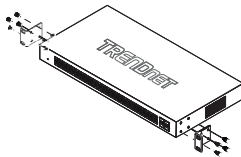
Attaching the mounting brackets to the Switch

Use the screws provided with the equipment rack to mount the Switch on the rack.
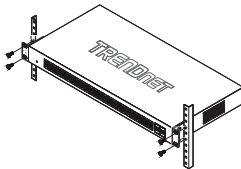
Installing the Switch in an equipment rack

TRENDnet ®

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.

FC CE UK CA

FCC warning:
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.

CAUTION: Double pole, neutral fusing. Disconnect mains before servicing.
ATTENTION: Double pôle/fusible sur le neutre.

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

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.

Avertissement
S'applique uniquement aux produits PoE: Ce produit doit être raccordé qu'aux réseaux PoE sans routage vers l'installation extérieure.

Advertencia
En todos nuestros equipos se mencionan claramente las caracteristicas del adaptador de alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria exitente en el pais o zona de instalación.

UL warning:
The equipment power supply cord shall be connected to a socket-outlet with earthing connection.
Le cordon d'alimentation de l'appareil doit être raccordé à une prise de courant avec mise à la terre.

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

Laser warning note:
This product is intended to be use with a UL Listed Optical Transceiver product, Rated DC3.3V, Laser Class I.

Product Warranty Registration
Please take a moment to register your product online. Go to TRENDnet's website at:
www.trendnet.com/register