

Quick Installation Guide

48G+25P Ethernet Switch
TEG1050F

Package contents

- Switch x1
- L-shaped bracket x 2
- Screws (M4*15 mm) x 8
- Footpad x 4
- Power cord x 1
- Quick installation guide x 1

This guide explains how to install and connect the device. For details, please visit www.tendacn.com

1 Device installation

1.1 Preparation for installation

- Rack mounting: ESD bracket (or ESD gloves), screwdriver, 4 screws (suitable for securing the switch to the rack).
- Wall mounting: ESD bracket (or ESD gloves), hammer (M4 drill, labor hammer, screwdriver, 4 L-shaped brackets (M4*15 mm), 4 screws (P4*25 mm, head diameter: 10 mm).
- Desktop mounting: ESD bracket (or ESD gloves)

1.2 Installation

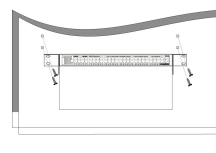
- **Rack mounting (to a standard 19-inch rack)**
Step 1 Ensure that the rack is stable and level, and is properly grounded.
Step 2 Fix the two L-shaped brackets to both sides of the switch with the included screws.



Step 3 Choose a proper height and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.

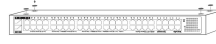
Wall mounting

- **Wall mounting**
Note: Check that the switch will be installed on a wall that is clean, otherwise, there will be extra work involved.



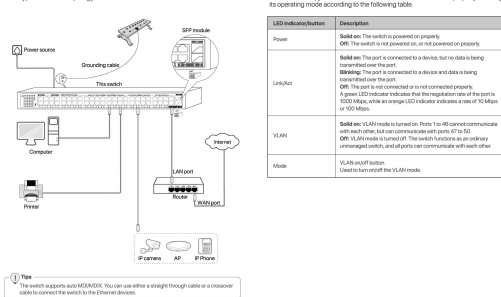
Desktop mounting

- **Desktop mounting**
Paste the four footpads to the corresponding four recesses on the bottom of the switch. Then turn the switch upside down, and place it on a big enough, clean, stable and flat desktop.



2 Device connection

The typical network topology of this switch is shown below.



After connection, you can check whether the switch is connected properly or change its operating mode according to the following table.

LED indicator/function	Description
Power	On: The switch is powered on properly. Off: The switch is powered on but cannot be accessed or cannot boot. Blink: The port is connected to a device, but no data is being transferred over the port.
Link/Act	Blink: The port is connected to a device and data is being transferred over the port. On: The port is not connected to a device or not connected properly. Off: The LED indicator indicates the negotiation of the port is OK. The LED indicator indicates the negotiation is over of 15 Mbps.
LAN	Blink: LAN1 module is turned on. The port is normal connected with one cable, but can communicate with ports 4/5/6/7/8. LAN2 module is turned on. The switch has been connected to an ordinary unmanaged switch, and all ports can communicate with each other.
Mode	LAN1 and LAN2: Indicates that the switch is in LAN mode. LAN3 and LAN4: Indicates that the switch is in AP mode.

Specifications

Model	TEG1050F
Part	10/100/1000 Mbps RJ45 port 48 1000 Mbps SFP ports 2
Performance	Switching mode Store-and-forward MAC address learning Auto, aging auto learning MAC address table 15K
Dimensions (L x W x H)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5A
Weight (kg)	1.5
Lighting protection	RJ45 port Common mode EMI Power supply Class II
Operating environment	Temperature: 0°C~40°C Humidity: 10%~90% RH, non-condensing Vibration: 0.5G, 100 Hz
Storage environment	Temperature: 0°C~40°C Humidity: 10%~90% RH, non-condensing
Data transmission rate	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Lighting protection	RJ45 port Common mode EMI Power supply Class II
Operating environment	Temperature: 0°C~40°C Humidity: 10%~90% RH, non-condensing Vibration: 0.5G, 100 Hz
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Data transmission rate	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Transmission media	Ethernet CAT5/UTP/STP cable Fiber Ethernet CAT5/UTP/STP copper cable Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

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Характеристики

Модель	TEG1050F
Часть	Порт RJ45 10/100/1000 Мбит/с 48 Порт SFP 1000 Мбит/с 2
Производительность	Режим переключения Store-and-forward MAC-адреса Обучение и автоматическое старение MAC-адреса таблица 15K
Размеры (Д x Ш x В)	440 мм x 240 мм x 44 мм 100-240 мм x 90 мм x 150 мм, 1.5 А
Вес (кг)	1.5
Защита от света	RJ45 порт Общесетевая EMI Питание Класс II
Условия эксплуатации	Температура: 0°C~40°C Влажность: 10%~90% RH, не конденсирующаяся Вибрация: 0.5G, 100 Гц
Условия хранения	Температура: 0°C~40°C Влажность: 10%~90% RH, не конденсирующаяся
Скорость передачи данных	10/100/1000 Мбит/с Full duplex Ethernet 10/100/1000 Мбит/с Full duplex Gigabit Ethernet 10/100/1000 Мбит/с Full duplex
Средства передачи	Ethernet CAT5/UTP/STP кабель Fiber Ethernet CAT5/UTP/STP медный кабель Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Стандарты сети	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Спецификации

Модел	TEG1050F
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Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Spezifikationen

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Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Specifiche

Modello	TEG1050F
Parte	Porta RJ45 10/100/1000 Mbps 48 Porta SFP 1000 Mbps 2
Prestitazioni	Modalità switching Store-and-forward Apprendimento indirizzo MAC Automatico, auto invecchiamento Tabelle MAC-Indirizzo 15K
Dimensioni (L x P x A)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5 A
Peso (kg)	1.5
Protezione illuminazione	RJ45 port Common mode EMI Alimentazione Class II
Condizioni operative	Temperatura: 0°C~40°C Umidità: 10%~90% RH, non condensante Vibrazione: 0.5G, 100 Hz
Condizioni di immagazzinamento	Temperatura: 0°C~40°C Umidità: 10%~90% RH, non condensante
Velocità di trasmissione dati	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Mezzi di trasmissione	Ethernet CAT5/UTP/STP cavo rame Fiber Ethernet CAT5/UTP/STP cavo rame Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Standard di rete	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Especificações

Modelo	TEG1050F
Parte	Porta RJ45 10/100/1000 Mbps 48 Porta SFP 1000 Mbps 2
Desempenho	Modo de comutação Store-and-forward Modo de aprendizagem de endereços MAC Automático, auto envelhecimento Tabela de endereços MAC 15K
Dimensões (L x P x A)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5 A
Taxa de transmissão de dados	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Meios de transmissão	Ethernet CAT5/UTP/STP cabo de cobre Fiber Ethernet CAT5/UTP/STP cabo de cobre Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Padrões de rede	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Especificaciones

Modelo	TEG1050F
Parte	Porta RJ45 10/100/1000 Mbps 48 Porta SFP 1000 Mbps 2
Rendimiento	Modo de comutación Store-and-forward Modo de aprendizaje de endereços MAC Automático, auto envelhecimento Tabela de endereços MAC 15K
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Padrões de rede	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Spécifications

Modèle	TEG1050F
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Dane tehniczne

Model	TEG1050F
Part	Port RJ45 10/100/1000 Mbps 48 Port SFP 1000 Mbps 2
Wykonanie	Tryb przełączania Store-and-forward Nauka adresów MAC Automatycznie, auto starzenie Tabela adresów MAC 15K
Wymiary (D x szer. x wys.)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5 A
Opóźnienie sygnału	RJ45 port Wspólna EMI Zasilanie Klasa II
Warunki eksploatacyjne	Temperatura: 0°C~40°C Wilgotność: 10%~90% RH, niekondensująca Wibracja: 0.5G, 100 Hz
Warunki przechowywania	Temperatura: 0°C~40°C Wilgotność: 10%~90% RH, niekondensująca
Exploatacyjne dane	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Srednia transmisja	Ethernet CAT5/UTP/STP kabel miedziany Fiber Ethernet CAT5/UTP/STP kabel miedziany Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Standardy sieciowe	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Specificații

Model	TEG1050F
Part	Port RJ45 10/100/1000 Mbps 48 Port SFP 1000 Mbps 2
Performanțe	Modul de comutare Store-and-forward Modul de învățare adrese MAC Automatic, auto învechire Tabelă adrese MAC 15K
Dimensiuni (L x P x A)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5 A
Modul de funcționare	RJ45 port Comună EMI Alimentare Clasă II
Condiții de operare	Temperatură: 0°C~40°C Umiditate: 10%~90% RH, necondensantă Vibrație: 0.5G, 100 Hz
Condiții de depozitare	Temperatură: 0°C~40°C Umiditate: 10%~90% RH, necondensantă
Viteza de transmisie a datelor	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Medii de transmisie	Ethernet CAT5/UTP/STP cablu cupru Fiber Ethernet CAT5/UTP/STP cablu cupru Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Standard de rețea	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Specificáció

Model	TEG1050F
Part	Porta RJ45 10/100/1000 Mbps 48 Porta SFP 1000 Mbps 2
Működés	Kezelési mód Store-and-forward MAC-címek tanulása Automatikusan, autoémlékeztetés MAC-cím-tábla 15K
Méret (H x Sz x Mé)	440 mm x 240 mm x 44 mm 100-240 x 90 x 150, 1.5 A
Érvelési védelem	RJ45 port Közös EMI Hozzájárulás Class II
Működési körülmények	Hőmérséklet: 0°C~40°C Páratartalom: 10%~90% RH, nem kondenzáló Részegrezgés: 0.5G, 100 Hz
Tárolási körülmények	Hőmérséklet: 0°C~40°C Páratartalom: 10%~90% RH, nem kondenzáló
Adatátviteli sebesség	10/100/1000 Mbps Full duplex Ethernet 10/100/1000 Mbps Full duplex Gigabit Ethernet 10/100/1000 Mbps Full duplex
Árnyalatok	Ethernet CAT5/UTP/STP kábel Fiber Ethernet CAT5/UTP/STP kábel Optical Ethernet SFP (1000BASE-SX/1000BASE-LX/1000BASE-ER SFP)
Hálózati szabványok	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z

Özelliker

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المواصفات

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Safety and warning

Safety Precautions
Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and order items or other documents do not cover all the safety precautions that must be followed. Only use accessories that are approved by the manufacturer.
1. Do not touch the apparatus near water.
2. Clean only with dry cloth.
3. Do not use any ventilation openings, such as newspapers, tablecloth, curtains, etc.
4. Do not install near any heat sources such as radiators, heat registers, stove or other apparatus that produce heat.
5. Do not obstruct the ground conductor or operate the device in the absence of well installed ground conductor. Contact the appropriate electrical professional.
6. Do not touch the power lines or cables on or attached to the apparatus, the switches, connectors and the point where they are not from the apparatus.
7. Only use attachment accessories specified by the manufacturer.
8. Unplug this apparatus during lightning storms or when used for long periods of time.
9. Mainly plug in using the disconnected device, such as newspapers, tablecloth, curtains, etc.
10. Do not install near any heat sources such as radiators, heat registers, stove or other apparatus that produce heat.
11. Do not obstruct the ground conductor or operate the device in the absence of well installed ground conductor. Contact the appropriate electrical professional.
12. Warning: To reduce the risk of fire or electric shock, do not remove the apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing.
13. Warning: To reduce the risk of fire or electric shock, do not remove cover as there are non-serviceable parts inside. Refer servicing to qualified personnel.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
The mains plug is used as disconnected device, the disconnected device shall remain easily operable.
NOTE 1: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to the equipment. (2) To avoid unnecessary radio interference, it is recommended to use a shielded RJ45 cable.

FCC Statement

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.
Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Caution!
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to the equipment. (2) To avoid unnecessary radio interference, it is recommended to use a shielded RJ45 cable.

RECYCLING

This product bears the selective symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled according to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.
Use the label when he give product to a competent recycling organization or to the retailer when he buy a new electrical or electronic equipment.