

Quick Installation Guide

16GE+2SFP Ethernet Switch With 16-Port PoE
 24GE+2SFP Ethernet Switch With 24-Port PoE
 TEG118P-16-250W / TEG1126P-24-410W

Package contents

- Switch x 1
- Power cord x 1
- L-shaped bracket x 2
- Screw (KM3*mm) x 8
- Footpad x 4
- Quick installation guide x 1

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

1 Install the device

1.1 Preparations

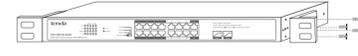
- You shall prepare the following tools and materials for device installation.
- Rack mounting: ESD bracelet (or ESD gloves), screwdriver, 4 screws (to secure the switch to the rack)
 - Wall mounting: ESD bracelet (or ESD gloves), marker, hammer drill, rubber hammer, screwdriver, 4 expansion bolts (M5*40 mm), 4 screws (P#5*25 mm, head diameter: 10 mm)
 - Desktop mounting: ESD bracelet (or ESD gloves)

1.2 Installation

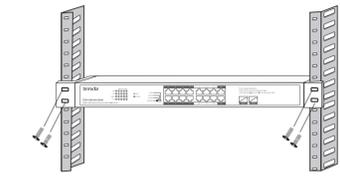
TEG118P-16-250W is used as an example for illustration here.

• 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 using the included screws.



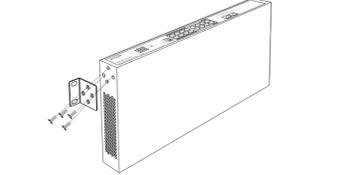
- Step 3** Choose a proper height and fix the L-shaped brackets to the rack using screws (self-prepared). Ensure that the switch is seated securely on the rack.



• Wall mounting

- Do NOT install the switch with its air vents facing downward; otherwise, there will be potential safety hazards.
- This switch can only be installed on a concrete or non-flammable wall.

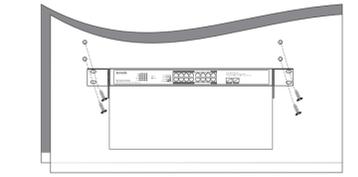
- Step 1** Rotate the two L-shaped brackets by 90 degrees and fix them to both sides of the switch with the included screws.



- Step 2** Horizontally place the switch onto the wall with its RJ45 ports facing upward. Then mark the screw holes with the marker on the wall.

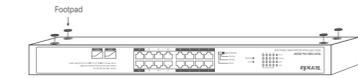
- Step 3** Drill holes in the marked positions with a hammer drill, and then knock the expansion bolts (self-prepared, M5*40 mm) into the holes.

- Step 4** Insert the screws (self-prepared, P#5*25 mm, head diameter: 10 mm) through the holes of the two L-shaped brackets, and secure the screws into the expansion bolts with a screwdriver. Ensure that the switch is installed firmly with its RJ45 ports facing upward.



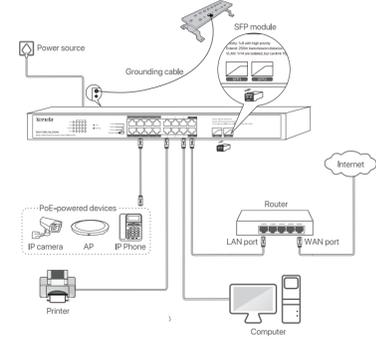
• Desktop mounting

- Paste the four footpads to the 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 Connect the device

The typical network topology of the switch is as shown below. TEG118P-16-250W is used for illustration.



- Note: - The switch supports auto MDI/MDIX. You can use either a straight-through cable or a crossover cable to connect the switch to Ethernet devices.
- The switch supports power supply priorities for the PoE ports. When the total power consumption of the PoE-powered devices exceeds the maximum output of the switch, the switch starts cutting the power supply from the port with the lowest power supply priority (the port with the largest port number) until the total power consumption of the PoE-powered devices is less than the maximum output of the switch.

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

LED Indicator/Toggle	Description
SFP1, SFP2, Link/Act	Solid on: The port is connected to a device, but no data is being transmitted over the port. Blinking: The port is connected to a device, and data is being transmitted over the port. Off: The port is not connected or it is not connected properly.
PoE-MAX	Solid on: The total PoE output power reaches the maximum output power of the switch. Off: The total PoE output power does not reach the maximum output power of the switch.
Power	Solid on: The switch is powered on properly. Off: The switch is not powered on or not powered on properly. Standard: Default mode of the switch. In this mode, the switch works as an ordinary unmanaged switch, and all ports can communicate with each other. Extend: In this mode, the port statuses of the switches are as shown below. <ul style="list-style-type: none"> • For TEG118P-16-250W, the maximum transmission distance of ports 9 ~ 22 can reach 250 meters, and all ports can communicate with each other. • For TEG1126P-24-410W, the maximum transmission distance of ports 17 ~ 22 can reach 250 meters, and all ports can communicate with each other. For a better network extension effect, please use CAT5e Ethernet cables or above, and set the speed and duplex mode of the port of the peer device to Auto-negotiation. If the peer device is an IP camera, set its bit rate below 10 Mbps for timeliness of video transmission. VLAN: In this mode, the working statuses of the switches are as shown below. <ul style="list-style-type: none"> • For TEG118P-16-250W, ports 1 to 14 cannot communicate with each other, but can communicate with ports 15, 16, SFP1, and SFP2. • For TEG1126P-24-410W, ports 1 ~ 22 cannot communicate with each other, but can communicate with ports 23, 24, SFP1, and SFP2. VLAN mode helps isolate DHCP broadcast and reduce broadcast storm.
Working mode toggle	

Specifications	English	
Model	TEG118P-16-250W	TEG1126P-24-410W
Port	10/100/1000 Mbps RJ45 port 16 2 *TEG118P-16-250W: 2 independent SFP ports *TEG1126P-24-410W: Port 23 and port SFP1 compose a combo port, and port 23 owns a higher priority. Port 24 and port SFP2 compose a combo port, and port 24 owns a higher priority.	24
Working mode	Standard, Priority, Extend, VLAN	
Switching mode	Store-and-forward	
MAC address table learning	Auto aging, auto learning	
MAC address table	8 K	
Port standard	IEEE 802.3af, IEEE 802.3at	
PoE power cable color	8 cores: voltage of cores 1, 2, 4, 5 is +, and cores 3, 6, 7, 8 is -	
PoE port	1~16	1~24
Maximum output power of a single port	30W	
Maximum output power of the switch	230 W	370 W
Dimensions (L x W x H)	440 mm x 179.6 mm x 44 mm	440 mm x 284 mm x 44 mm
Input voltage	100~240V AC, 50/60Hz, 4A	100~240V AC, 50/60Hz, 6A
Lightning protection	RJ45 port Common mode: 6 kV Differential mode: 4 kV	RJ45 port Common mode: 6 kV Differential mode: 4 kV
Power supply	Temperature: 0°C ~ 45°C Humidity: (10%~90%) RH, non-condensing	Temperature: 0°C ~ 45°C Humidity: (10%~90%) RH, non-condensing
Operating environment	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing	Temperature: -40°C ~ 70°C Humidity: (5%~90%) RH, non-condensing
Storage environment	Temperature: 0°C ~ 45°C Humidity: (10%~90%) RH, non-condensing	Temperature: 0°C ~ 45°C Humidity: (10%~90%) RH, non-condensing
Data transmission rate	Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (half duplex)/20 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex)/200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)
Transmission media	Fast Ethernet: CAT5 UTP/STP or better Gigabit Ethernet: CAT5e or CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF or SMF	Fast Ethernet: Cat5 UTP/STP or better Gigabit Ethernet: CAT5e or CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF or SMF
Network standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at

Характеристики	Русский	
Модель	TEG118P-16-250W	TEG1126P-24-410W
Порт	Port RJ45 10/100/1000 Мбит/с 16 2 *TEG118P-16-250W: 2 независимых SFP порта *TEG1126P-24-410W: Порты 23 и SFP1 образуют комбинированный порт, и порт 23 имеет более высокий приоритет. Порт 24 и SFP2 образуют комбинированный порт, и порт 24 имеет более высокий приоритет.	24
Рабочий режим	Standard (Стандарт), Priority (Приоритет), Extend (Удлинение), VLAN	
Режимы переключения	Сохранение и дальнейшая передача	
Изучение MAC-адресов	Автоматическое старение, автоматическое обучение	
Таблица MAC-адресов	8 K	
Стандарт PoE	IEEE 802.3af, IEEE 802.3at	
Жила силового кабеля PoE	8 ядер: напряжение ядра 1, 2, 4, 5 "+" , ядра ядра 3, 6, 7, 8 "-"	
PoE-порт	1~16	1~24
Максимальная выходная мощность одного порта PoE	30 Вт	
Максимальная выходная мощность коммутатора	230 Вт	370 Вт
Размеры (Д x Ш x В)	440 мм x 179,6 мм x 44 мм	440 мм x 284 мм x 44 мм
Входное напряжение	100~240 В перем. тока, 50/60 Гц, 4А	100~240 В перем. тока, 50/60 Гц, 6А
Входное напряжение PoE	Общий режим: 6 kV Дифференциальный режим: 4 kV	Общий режим: 6 kV Дифференциальный режим: 4 kV
Минимальная температура хранения	Объёмный режим: 6 kV Дифференциальный режим: 4 kV	Объёмный режим: 6 kV Дифференциальный режим: 4 kV
Рабочая среда	Температура: 0°C ~ 45°C Влажность: (10%~90%) без конденсации	Температура: 0°C ~ 45°C Влажность: (10%~90%) без конденсации
Условия хранения	Температура: -40°C ~ 70°C Влажность: (5%~90%) без конденсации	Температура: -40°C ~ 70°C Влажность: (5%~90%) без конденсации
Скорость передачи информации	Ethernet: 10 Мбит/с (полудуплексный)/20 Мбит/с (полнодуплексный) Fast Ethernet: 100 Мбит/с (полудуплексный)/200 Мбит/с (полнодуплексный) Гигабитный Ethernet: 2000 Мбит/с (полнодуплексный)	Ethernet: 10 Мбит/с (полудуплексный)/20 Мбит/с (полнодуплексный) Fast Ethernet: 100 Мбит/с (полудуплексный)/200 Мбит/с (полнодуплексный) Гигабитный Ethernet: 2000 Мбит/с (полнодуплексный)
Средства передачи	Fast Ethernet: Cat5 UTP/STP или выше Gigabit Ethernet: Cat5e или CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF или SMF	Fast Ethernet: Cat5 UTP/STP или выше Gigabit Ethernet: Cat5e или CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF или SMF
Стандарты сети	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at

Спецификации	Български	
Модел	TEG118P-16-250W	TEG1126P-24-410W
Порт	10/100/1000 Mbp/s RJ45 порт 16 2 *TEG118P-16-250W: 2 независими SFP порта *TEG1126P-24-410W: Port 23 и SFP1 образуют комбинированный порт, и порт 23 имеет более высокий приоритет. Порт 24 и SFP2 образуют комбинированный порт, и порт 24 имеет более высокий приоритет.	24
Рабочий режим	Standard (Стандарт), Priority (Приоритет), Extend (Удлинение), VLAN	
Режим на переключение	Съхраняване и препращане	
Обучение на MAC-адреса	Съхраняване, автоматично старение на острици/MAC адреси	
Таблица/MAC-адреса	8 K	
PoE стандарт	IEEE 802.3af, IEEE 802.3at	
PoE захранващо кабелно ядро	8 ядра: напрежение на ядра 1, 2, 4, 5 "+" , и ядра 3, 6, 7, 8 "-"	
PoE-порт	1~16	1~24
PoE захранване	30 W	
Максимална изходна мощност на един порт	230 W	370 W
Размери (Д x Ш x В)	440 mm x 179.6 mm x 44 mm	440 mm x 284 mm x 44 mm
Входно напрежение	100~240 V AC, 50/60 Hz, 4A	100~240 V AC, 50/60 Hz, 6A
Входно напрежение PoE	Общ режим: 6 kV Дифференциален режим: 4 kV	Общ режим: 6 kV Дифференциален режим: 4 kV
Минимална температура на съхранение	Общ режим: 6 kV Дифференциален режим: 4 kV	Общ режим: 6 kV Дифференциален режим: 4 kV
Работна среда	Температура: 0°C ~ 45°C Влажност: (10%~90%) RH, некондензираща	Температура: 0°C ~ 45°C Влажност: (10%~90%) RH, некондензираща
Среда за съхранение	Температура: -40°C ~ 70°C Влажност: (5%~90%) RH, некондензираща	Температура: -40°C ~ 70°C Влажност: (5%~90%) RH, некондензираща
Скорост на предаване на данни	Ethernet: 10 Mbp/s (полудуплекс) /20 Mbp/s (пълнодуплекс) Fast Ethernet: 100 Mbp/s (полудуплекс) /200 Mbp/s (пълнодуплекс) Gigabit Ethernet: 2000 Mbp/s (пълнодуплекс)	Ethernet: 10 Mbp/s (полудуплекс) /20 Mbp/s (пълнодуплекс) Fast Ethernet: 100 Mbp/s (полудуплекс) /200 Mbp/s (пълнодуплекс) Gigabit Ethernet: 2000 Mbp/s (пълнодуплекс)
Носител за предаване	Fast Ethernet: CAT5 UTP/STP или по-добре Gigabit Ethernet: CAT5e или CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF или SMF	Fast Ethernet: Cat5 UTP/STP или по-добре Gigabit Ethernet: CAT5e или CAT6 UTP/STP 1000Base-SX, MMF 1000Base-LX, MMF или SMF
Мрежови стандарти	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at

Spezifikationen	Deutsch	
Modell	TEG118P-16-250W	TEG1126P-24-410W
Port	10/100/1000 Mbit/s RJ45-Port 16 2 *TEG118P-16-250W: 2 unabhängige SFP-Ports *TEG1126P-24-410W: Die Ports 23 und SFP1 bilden einen Kombi-Port, und Port 23 wird priorisiert behandelt. Die Ports 24 und SFP2 bilden einen Kombi-Port, und Port 24 wird priorisiert behandelt.	24
Betriebsmodus	Standard, Priority (Priorität), Extend (Erweiterung), VLAN	
Modus wechseln	Speichern und weiterleiten	
MAC-Adressentabelle lernen	Automatisches Altern, automatisches Lernen	
MAC-Adressentabelle	8 K	
PoE-Standard	IEEE 802.3af, IEEE 802.3at	
Anschluss der PoE-Kabelkerne	8 Kerne: Spannung der Kerne 1, 2, 4, 5 ist "+", Bei den Kernen 3, 6, 7, 8 ist sie "-"	
PoE-Strömung	30 W	
Maximale Leistung eines einzelnen Ports	230 W	370 W
Maximale Leistung vom Switch	230 W	370 W
Abmessungen (L x B x H)	440 mm x 179,6 mm x 44 mm	440 mm x 284 mm x 44 mm
Nennspannung	100~240 V AC, 50/60 Hz, 4A	100~240 V AC, 50/60 Hz, 6A
Überspannungsschutz	RJ45-Port: Normaler Modus: 6 kV Differentialmodus: 4 kV	RJ45-Port: Normaler Modus: 6 kV Differentialmodus: 4 kV
Betriebsumgebung	Temperatur: 0°C ~ 45°C Luftfeuchtigkeit: (10% ~ 90%) RH, nicht kondensierend	Temperatur: 0°C ~ 45°C Luftfeuchtigkeit: (10% ~ 90%) RH, nicht kondensierend
Lagerumgebung	Temperatur: -40°C ~ 70°C Luftfeuchtigkeit: (5% ~ 90%) RH, nicht kondensierend	Temperatur: -40°C ~ 70°C Luftfeuchtigkeit: (5% ~ 90%) RH, nicht kondensierend
Datenübertragungsrate	Ethernet: 10 Mbit/s (Halbduplex)/20 Mbit/s (Voll duplex) Fast Ethernet: 100 Mbit/s (Halbduplex)/200 Mbit/s (Voll duplex) Gigabit Ethernet: 2000 Mbit/s (Voll duplex)	Ethernet: 10 Mbit/s (Halbduplex)/20 Mbit/s (Voll duplex) Fast Ethernet: 100 Mbit/s (Halbduplex)/200 Mbit/s (Voll duplex) Gigabit Ethernet: 2000 Mbit/s (Voll duplex)
Übertragungsmedien	Fast Ethernet: CAT5 UTP/STP oder höher Gigabit Ethernet: CAT5e oder CAT6 UTP/STP-Kabel 1000Base-SX, MMF 1000Base-LX, MMF oder SMF	Fast Ethernet: Cat5 UTP/STP oder höher Gigabit Ethernet: Cat5e oder CAT6 UTP/STP-Kabel 1000Base-SX, MMF 1000Base-LX, MMF oder SMF
Netzwerkstandards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at

Specifiche	Italiano	
Modello	TEG118P-16-250W	TEG1126P-24-410W
Porte	Porta RJ45 10/100/1000 Mbps 16 2 *TEG118P-16-250W: 2 porte SFP indipendenti *TEG1126P-24-410W: Die Ports 23 und SFP1 componono una porta combinata e la porta 23 ha una priorità più elevata. Le porte 24 e SFP2 componono una porta combinata e la porta 24 ha una priorità più elevata.	24
Modalità di lavoro	Standard, Priority (Priorità), Extend (Estensione), VLAN	
Modalità switching	Store-and-forward	
Apprendimento degli indirizzi MAC	Auto invecchiamento, auto apprendimento	
Tabella degli indirizzi MAC	8 K	
Nucleo del cavo di alimentazione PoE	IEEE 802.3af, IEEE 802.3at	
Resistenza alla tensione dei nuclei 1, 2, 4, 5 +, e quella dei nuclei 3, 6, 7, 8 -	8 nuclei: la tensione dei nuclei 1, 2, 4, 5 +, e quella dei nuclei 3, 6, 7, 8 -	
Porta PoE	1~16	1~24
Resa massima di una singola porta	30 W	
Resa massima dell'interuttore	230 W	370 W
Dimensioni (L x P x A)	440 mm x 179,6 mm x 44 mm	440 mm x 284 mm x 44 mm
Tensione di ingresso	100~240 V CA, 50/60 Hz, 4A	100~240 V CA, 50/60 Hz, 6A
Protezione contro i fulmini	Porta RJ45 Modo comune: 6 kV Modo differenziale: 4 kV	Porta RJ45 Modo comune: 6 kV Modo differenziale: 4 kV
Ambiente operativo	Temperatura: 0°C ~ 45°C Umidità: (10% ~ 90%) RH, senza condensa	Temperatura: 0°C ~ 45°C Umidità: (10% ~ 90%) RH, senza condensa
Ambiente di immagazzinaggio	Temperatura: -40°C ~ 70°C Umidità: (5% ~ 90%) RH, senza condensa	Temperatura: -40°C ~ 70°C Umidità: (5% ~ 90%) RH, senza condensa
Velocità di trasmissione dati	Ethernet: 10 Mbps (half duplex) / 200 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex) / 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)	Ethernet: 10 Mbps (half duplex) / 200 Mbps (full duplex) Fast Ethernet: 100 Mbps (half duplex) / 200 Mbps (full duplex) Gigabit Ethernet: 2000 Mbps (full duplex)
Mezzi di trasmissione	Fast Ethernet: Cat5 UTP/STP CAT5 o superiore Gigabit Ethernet: Cat5 UTP/STP CAT5e o CAT6	Fast Ethernet: Cat5 UTP/STP CAT5 o superiore Gigabit Ethernet: Cat5 UTP/STP CAT5e o CAT6
Standard di rete	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3a, IEEE 802.3t, IEEE 802.3af, IEEE 802.3at

Especificações	Português	
Modelo	TEG118P-16-250W	TEG1126P-24-410W
Porta	Porta RJ45 10/100/1000 Mbps 16 2 *TEG118P-16-250W: 2 portas SFP independentes *TEG1126P-24-410W: A porta SFP1 e a porta 23 formam uma porta combinada. A porta 23 tem maior prioridade. A porta SFP2 e a porta 24 formam uma porta combinada. A porta 24 tem maior prioridade.	24
Modos de funcionamento	Standard (Padrão), Priority (Prioridade), Extend (Estender), VLAN	
Modo de funcionamento	Guardar e reencaminhar	
Aprendizagem de endereços MAC	Envelhecimento automático, aprendizagem automática	
Tabla de endereços MAC	8 K	
Norma PoE	IEEE 802.3af, IEEE 802.3at	
Núcleo de cabo de energia PoE	8 núcleos: a tensão dos núcleos 1, 2, 4, 5 é superior e a dos núcleos 3, 6, 7, 8 é -	
Porta PoE	1~16	1~24
Saída máxima de uma única porta	30 W	
Saída máxima do comutador	230 W	370 W
Dimensões (L x L x A)	440 mm x 179,6 mm x 44 mm	440 mm x 284 mm x 44 mm
Tensão de entrada	100~240V AC, 50/60Hz, 4A	100~240V AC, 50/60Hz, 6A
Proteção contra		