English

User Manual

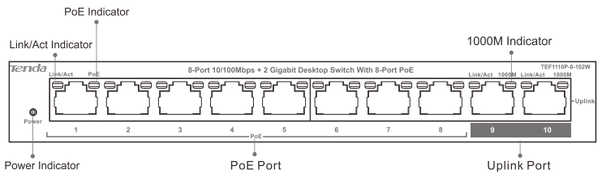
TEF1110P-8-102W
8-Port 10/100Mbps + 2 Gigabit Desktop Switch With 8-Port PoE

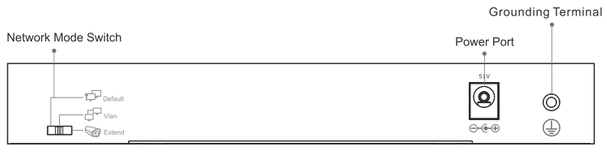
Package Contents

- Switch * 1
- Power adapter *1
- User Manual * 1

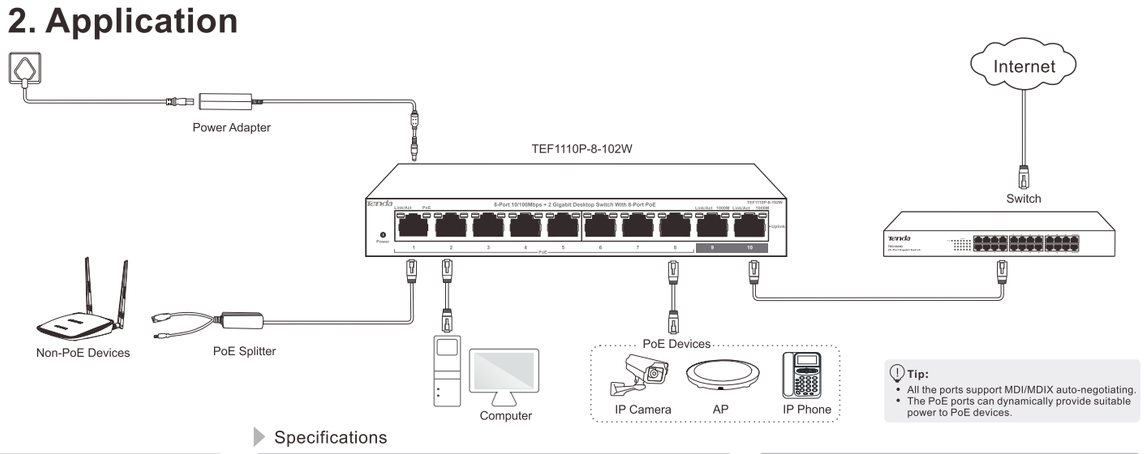
If any item is incorrect, missing, or damaged, please keep the original package and contact the vendor for replacement immediately.

1. Product Overview





2. Application



Tip:
- All the ports support MDI/MDIX auto-negotiating.
- The PoE ports can dynamically provide suitable power to PoE devices.

LED Indicators

LED	Status	Description
Power	Solid	Power supply is provided to the device properly.
	Off	Power supply is provided improperly, or not provided to the device.
Link/Act	Solid	The corresponding port is connected.
	Blinking	The corresponding port is connected and is transmitting data.
	Off	No connection is established.
PoE	Solid	A PD is connected and powered properly.
	Blinking	A PD is connected and the power consumption level is too high.
	Off	No PD is connected or PoE power is not provided.
1000M	Solid	Port negotiation rate is 1000Mbps.
	Off	Port negotiation rate is 10Mbps or 100Mbps on the premise that the Link/Act indicator of corresponding port is solid or blinking.

Ports, Switch, Interfaces

Item	Type	Description
PoE 1~8	10/100M PoE port	Used to transmit data and provide power to the connected devices that are compatible with IEEE 802.3af or IEEE 802.3at standard.
Uplink 9~10	Uplink port, non-PoE port	Used to connect to an uplink device,such as a router or a core switch.
Default Vlan Extend	Network mode switch	Default: In this state, the transmission rate of PoE port 1~8 is up to 100Mbps.
		Vlan: In this state, port 1~8 can communicate with port 9 and 10, but cannot communicate with each other. In other states, port 1~10 can communicate with each other.
		Extend: In this state, the transmission rate of PoE port 1~8 is up to 10Mbps, but the transmission distance is up to 250m. * In Extend state, to ensure the timely transmission of video data, it is recommended to set the data rate to 8Mbps or lower.
51V	Power port	Used to power the device by the included power adapter.
⏚	Grounding terminal	Used to connect the protective ground against lightning strikes.

Tip:
- In Extend state, please use a CAT5E Ethernet cable or better, and make sure that the rate of the other device is set to Auto negotiation.
- In Default or Vlan state, if you use a CAT5E Ethernet cable or better, the PoE data transmission distance is up to 150m.

Specifications

Item		Specification
Interface	10/100M RJ45	8
	10/100/1000M RJ45	2
	Lightning-proof Ranking	6kV
	Network mode	Supports Extend mode and Vlan mode
Performance	Store-and-Forward	Supported
	MAC Address Table	16k
	MAC Address Learning	Auto learning / aging
	Switching Capacity	5.6Gbps
PoE Standard	PoE Standard	IEEE 802.3af, IEEE 802.3at
	PoE Powering Mode	Supports 8 pins powering, which means pins 1,2,3,6 and pins 4,5,7,8 can power simultaneously
	PoE Port	1~8

Max Port Output		30W
Max Total Output		99W
Power Input		51V DC， 2A
Physical Environment	Operating Environment	Temperature: 0℃ ~ 40℃ Humidity: (10 ~ 90)%RH, non-condensing
	Storage Environment	Temperature: -40℃ ~ 70℃ Humidity: (5 ~ 90)%RH, non-condensing
Standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x

Español

Especificaciones técnicas

Artículo	Especificaciones	
Interfaces	10/100M RJ45	8
	10/100/1000M RJ45	2
	Clasificación de la protección contra descargas osféricas	6kV
Rendimiento	Almacenar y retransmitir	Compatible
	Tabla MAC	16k
	Aprendizaje MAC	Vencimiento automático de dirección MAC
	Capacidad de conmutación	5.6Gbps
Alimentación PoE	Estándar PoE	IEEE 802.3af, IEEE 802.3at
	Modo de alimentación PoE	Soporta alimentación de 8 contactos, lo cual significa que los contactos 1, 2, 3, 6 y los contactos 4, 5, 7, 8 pueden funcionar simultáneamente
	Puerto PoE	1~8
	Potencia máx. del puerto	30W
	Max Total Potencia máx. Total	99W
Extend Modo		Admite una distancia de transmisión de hasta 250 m
Vlan Modo		Los puertos 1~8 seran aislados respectivamente, sin embargo pueden comunicarse con el puerto **Uplink**
Potencia de entrada		51V DC， 2.0A
Entorno físico	Entorno de funcionamiento	Temperatura: 0℃ ~ 40℃ Humedad: 10 ~ 90 % HR sin condensación
	Entorno de almacenamiento	Temperatura: -40℃ ~ 70℃ Humedad: 5 ~ 90 % HR sin condensación
Estándar de red		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Deutsch

Technische Spezifikationen

Artikel	Spezifikationen	
Schnittstellen	10/100M RJ45	8
	10/100/1000M RJ45	2
	Lightning-proof Blitzschutz-Rangliste	6kV
Leistung	Speichern und Vorwärts	Unterstützt
	MAC Tabelle	16k
	MAC-Adressen-Lernen	MAC Adressen Auto-Fälligkeit
	Schaltleistung	5.6Gbps
PoE-Strom	PoE-Standard	IEEE 802.3af, IEEE 802.3at
	PoE-Stromversorgungs modus	Unterstützt die Stromversorgung von 8 Stiften, was bedeutet, dass die Stifte 1,2,3,6 und die Stifte 4,5,7,8 können gleichzeitig versorgt werden
	PoE-Port	1~8
	Max Port-Leistung	30W
	Max Gesamtleistung	99W
Extend Modus		Unterstützt eine Übertragungsdistanz von bis zu 250m
Vlan Modus		Port 1~8 werden jeweils isoliert werden, kann aber mit dem **Uplink**-Port kommunizieren
Power Input		51V DC， 2.0A
Physikalische Umgebung	Betriebsumgebung	Temperatur: 0℃ ~ 40℃ Feuchtigkeit: 10% ~ 90% RH nicht-kondensierend
	Lagerumgebung	Temperatur: -40℃ ~ 70℃ Feuchtigkeit: 5% ~ 90% RH nicht-kondensierend
Netzwerk Standard		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Italiano

Specifiche tecniche

Voce	Specifiche	
Interfacce	10/100M RJ45	8
	10/100/1000M RJ45	2
	Classificazione di protezione al fulmine	6kV
Prestazione	Store-and-Forward (Memorizza e inoltra)	Supportato
	Tabella MAC	16k
	Apprendimento MAC Address	Auto-aging indirizzo MAC
	Capacità di commutazione	5.6Gbps
Alimentazione PoE	PoE standard	IEEE 802.3af, IEEE 802.3at
	Modalità di alimentazione PoE	Supporta 8 pin di alimentazione, il che significa che i pin 1,2,3,6 e i pin 4,5,7,8 sono in grado di alimentare contemporaneamente
	Porta PoE	1~8
	Uscita massima porta	30W
	Uscita massima totale	99W
Extend modalità		Supporto distanza di trasmissione fino a 250 m
Vlan modalità		Le porte 1~8 saranno rispettivamente isolate, ma sono in grado di comunicare con la porta **Uplink**
Ingresso alimentazione		51V DC， 2.0A
Ambiente fisico	Ambiente operativo	Temperatura: 0℃ ~ 40℃ Umidità: Umidità relativa 10% ~ 90% senza condensa
	Ambiente di stoccaggio	Temperatura: -40℃ ~ 70℃ Umidità: Umidità relativa 5% ~ 90% senza condensa
Standard di rete		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Português

Especificações técnicas

Item	Especificações	
Interfaces	10/100M RJ45	8
	10/100/1000M RJ45	2
	Ranking da função à prova de raios	6kV
Desempenho	Store-and-Forward (Armazenamento e Reenvio)	Suportado
	Tabela MAC	16k
	PoE Padrão	Expiração automática de endereço MAC
	Capacidade de comutação	5.6Gbps
Energia de PoE	PoE Padrão	IEEE 802.3af, IEEE 802.3at
	Modo Energização PoE	Suporta 8 pinos que dão energia, o que significa pinos 1,2,3,6 e pinos 4,5,7,8 podem fornecer energia simultaneamente
	Porta PoE	1~8
	Porta de Saída Máx	30W
	Saída Total Máx	99W
Extend Modo		Suporta uma distância de transmissão de até 250m
Vlan Modo		Portas 1~8 respectivamente isolado, mas pode se comunicar com uma porta de **Uplink**
Entrada de energia		51V DC， 2.0A
Ambiente físico	Ambiente operacional	Temperatura: 0℃ ~ 40℃ Umidade: 10% ~ 90% umidade relativa sem condensação
	Ambiente de armazenamento	Temperatura: -40℃ ~ 70℃ Umidade: 5% ~ 90% umidade relativa sem condensação
padrão de rede		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Polski

Specyfikacja techniczna

Przedmiot	Specyfikacja	
Interfejsy	10/100M RJ45	8
	10/100/1000M RJ45	2
	Ochrona odgromowa	6kV
Wydajność	Przechowuj-i-prześlij	Obsługiwane
	Tabela MAC	16k
	Zapamiętywanie adresu MAC	Automatyczne starzenie się adresów MAC
	Zdolność łączeniowa	5.6Gbps
Zasilanie sieciowe	Standard PoE	IEEE 802.3af, IEEE 802.3at
	Tryb zasilania sieciowego	Obsługa zasilania 8 bolców, co oznacza, że bolce 1,2,3,6 oraz 4,5,7,8 mogą dostarczać zasilanie jednocześnie
	Port zasilania	1~8
	Maks. moc portu	30W
	Maks. moc łączna	99W
Extend trybie		Obsługa transmisji na dystansie do 250 m
Vlan trybie		Porty 1~8 będą odpowiednio separowane, lecz mogą komunikować się z portem **Uplink**
Zasilanie		51V DC， 2.0A
Środowisko fizyczne	Środowisko robocze	Temperatura: 0℃ ~ 40℃ Wilgotność: 10% ~ 90% RH bez kondensacji
	Warunki przechowywania	Temperatura: -40℃ ~ 70℃ Wilgotność: 5% ~ 90% RH bez kondensacji
Standard sieci		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Русский

Технические характеристики

Наименование	Характеристики	
Интерфейсы	10/100M RJ45	8
	10/100/1000M RJ45	2
	Lightning-proof Класс защиты от молний	6kV
выполнение	хранение и использование	Поддерживается
	MAC таблица	16k
	MAC автоматическое запоминание адресов	Авто-старение MAC адресов
	Коммутационная способность	5.6Gbps
Питание PoE	PoE стандарт	IEEE 802.3af, IEEE 802.3at
	Режим питания PoE	Поддержка 8-контактного питания, что означает одновременное питание контактов 1,2,3,6 и контактов 4,5,7,8
	Порт PoE	1~8
	Макс. выходная мощность порта	30W
	Макс. общая выходная мощность	99W
Extend режиме		поддерживаемое расстояние передачи до 250 м
Vlan режиме		Порты 1~8 будут соответственно изолированы, но могут поддерживать связь с **Uplink**-портом
входная мощность		51V DC， 2.0A
Физические условия	Рабочие условия	Температура: 0℃ ~ 40℃ Влажность: 10% ~ 90% относительной влажности без конденсации
	Условия хранения	Температура: -40℃ ~ 70℃ Влажность: 5% ~ 90% относительной влажности без конденсации
Сетевой стандарт		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Română

Specificații tehnice

Articol	Specificații	
Intrefețe	10/100M RJ45	8
	10/100/1000M RJ45	2
	Clasificare de protecție împotriva fulgerelor	6kV
Performanță	Mecanism Store-and-Forward (stochează și trimite)	Suportat
	Tabel MAC	16k
	Studiere adresă MAC	Evoluție automată adresă MAC
	Capacitate de comutare	5.6Gbps
Tensiune PoE	Standard PoE	IEEE 802.3af, IEEE 802.3at
	Mod alimentare PoE	Suportă 8 pini de alimentare, ceea ce înseamnă că pinii 1,2,3,6 și pinii 4,5,7,8 pot alimenta simultan
	Port PoE	1~8
	Ieșire max port	30W
	Ieșire totală port	99W
Extend mod		Suportă distanța de transmisie de până la 250 m
Vlan mod		Porturile 1~8 vor fi izolate, dar comunicarea cu portul **Uplink** este activa
Intrare alimentare		51V DC， 2.0A
Mediu fizic	Mediu de funcționare	Temperatura: 0℃ ~ 40℃ Umiditate: 10% ~ 90% RH fără condensare
	Mediu de stocare	Temperatura: -40℃ ~ 70℃ Umiditate: 5% ~ 90% RH fără condensare
Standard rețea		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Türk

Teknik Özellikler

Madde	Özellikler	
Arayüzler	10/100M RJ45	8
	10/100/1000M RJ45	2
	Yıldırım Geçirmezlik Sıralaması	6kV
Performans	Depola-ve-İlet	Destekli
	MAC Tablosu	16k
	MAC Adresi Öğrenme	MAC adresi otomatik yaşlanma
	Anahtarlama Kapasitesi	5.6Gbps
Giriş Bağlantı Noktası Gücü	PoE Standardı	IEEE 802.3af, IEEE 802.3at
	Giriş Bağlantı Noktası Besleme Modu	1, 2, 3, 6 pimlernin ve 4, 5, 7, 8 pimlernin aynı anda beslendiği anlamına gelen, 8 pim beslemeyi destekler
	Giriş Bağlantı Noktası Bağlantı Noktası	1~8
	Maksimum Bağlantı Noktası Çıkışı	30W
	Maksimum Toplam Çıkış	99W
Extend modda		250 m'ye kadar iletme mesafesi desteği
Vlan modda		Port 1~8 sırasıyla izole edilir, ancak **Uplink** portu ile iletişim kurabilir
Güç girişi		51V DC， 2.0A
Fiziksel Ortam	Çalışma Ortamı	Sıcaklık: 0℃ ~ 40℃ Nem: %10 ~ %90 RH yoğuşmasız
	Depolama Ortamı	Sıcaklık: -40℃ ~ 70℃ Nem: %5 ~ %90 RH yoğuşmasız
Ağ standardı		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Magyar

Műszaki adatok

Tétel	adatok	
Felületek	10/100M RJ45	8
	10/100/1000M RJ45	2
	Villám biztos sorolás	6kV
Teljesítmény	Tárolás és továbbítás	Támogatott
	MAC tábla	16k
	MAC cím tanulás	MAC cím automatikus-elévülés
	Kapcsolási kapacitás	5.6Gbps
PoE teljesítmény	PoE szabvány	IEEE 802.3af, IEEE 802.3at
	PoE táplálási mód	8 érintkezős táplálást támogat, ami 1,2,3,6 érintkező és 4,5,7,8 érintkező egyidejű táplálását jelenti
	PoE port	1~8
	Max Port Kimenet	30W
	Max Össz Kimenet	99W
Extend mód		Támogatja az adattovábbítást akár 250 méteres távolságba is
Vlan mód		A port-ok 1~8-ig elszigeteltek lesznek de képesek kommunikálni az **Uplink** port-al
Felvett teljesítmény		51V DC， 2.0A
Fizikai környezet	Működési környezet	Hőfok: 0℃ ~ 40℃ Nedvesség: 10% ~ 90% RH nem lecsapódó
	Tárolási környezet	Hőfok: -40℃ ~ 70℃ Nedvesség: 5% ~ 90% RH nem lecsapódó
Hálózati szabvány		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Français

Caractéristiques techniques

Article	Caractéristiques	
Interfaces	10/100M RJ45	8
	10/100/1000M RJ45	2
	Classement de protection contre la foudre	6kV
Performance	Enregistrer et faire suivre	Supporté
	Tableau MAC	16k
	Plan d'apprentissage MAC	Vieillissement automatique d'adresse MAC
	Capacité de commutation	5.6Gbps
Alimentation PoE	Standard PoE	IEEE 802.3af, IEEE 802.3at
	Mode d'alimentation du PoE	Supporte l'alimentation avec 8 broches, ce qui signifie que les broches 1,2,3,6 et les broches 4,5,7,8 peuvent être alimentés simultanément
	Port PoE	1~8
	Sortie max. du port	30W
	Sortie totale du port	99W
Extend mode		Distance de transmission atteignant jusqu'à 250 m
Vlan mode		Port 1~8 sera isolé respectivement, mais peut communiquer avec le port **Uplink**
Entrée d'alimentation		51V DC， 2.0A
Environnement physique	Environnement d'exploitation	Température: 0℃ ~ 40℃ Humidité: 10 % ~ 90 % d'humidité relative sans condensation
	Environnement de stockage	Température: -40℃ ~ 70℃ Humidité: 5 % ~ 90 % d'humidité relative sans condensation
Norme de réseau		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,IEEE 802.3at, IEEE 802.3x

Producto	NOMBRE DEL PRODUCTO: Switch de escritorio de 8 puertos PoE 10/100 + 2 puertos Gigabit MODELO:TEF1110P-8-102W
Alimentador de Energía: Alimentación:100V-240V ca 50Hz/60Hz 1.6A Salida:51V cc 2.0A	NOM NYCE
PAIS DE ORIGEN:CHINA	

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.

For Pluggable Equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

WARNING: The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

Caution :

Adapter Model: BN038-A10151
Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.,LTD.
Input: 100-240V~, 50/60Hz 1.6A Output: 51Vdc, 2A
⎓ : DC Voltage

RECYCLING

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

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.

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, 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: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Technical Support

United States Hotline: 1-800-570-5892
Canada Hotline: 1-888-998-8966
HongKong Hotline: 00852-81931998
Skype: Tendasz
Website: http:// www.tendacn.com
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