

**Tenda**



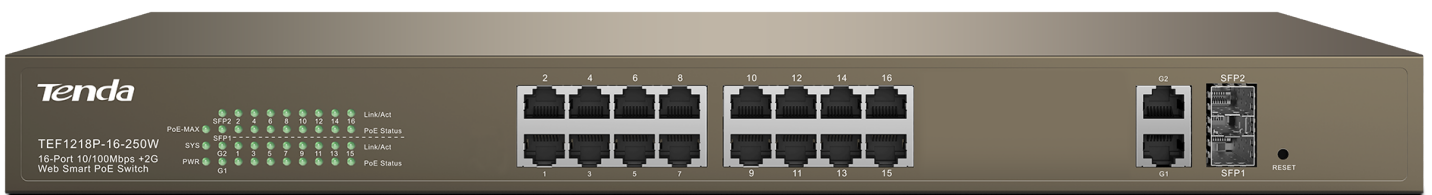
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# TEF1218P-16-250W

16-Port 10/100Mbps + 2 Gigabit Web Smart PoE Switch

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## TEF1218P-16-250W

### 16-Port 10/100Mbps + 2 Gigabit Web Smart PoE Switch

#### Products Description

TEF1218P-16-250W is a 16-Port 10/100Mbps +2-Port Gigabit TP/SFP Combo Web Smart PoE Switch developed by Tenda. It provides 16 10/100Base-TX RJ45 ports, 2 10/100/1000Base-T RJ45 ports and 2 1000Base-X SFP combos.

Ports 1-16 support IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (30W) powering. The whole PoE output is 230W. By using Cat 5 twisted pair, the device can provide data and power for

APs, IP cameras, IP phones, and other PoE devices. Moreover, by using Cat 5e Ethernet and enabling extend mode, the transmission distance of data and power can be as long as 250 meters. In addition, it supports QVLAN, link aggregation, QoS, MAC binding, etc, which saves the cost, time and energy of network deployment to a great extent.

#### Key Feature

- 16 10/100Base-TX RJ45 ports, 2 10/100/1000Base-T RJ45 ports and 2 100/1000Base-X SFP combos
- Powerful port management functions, including port mirroring, speed limit, trunk, etc.
- Supports IEEE 802.3Q Tag VLAN
- 16 10/100Base-TX RJ45 ports support PoE power supply. The total power output is up to 230W and the maximum output of a single port is 40W.
- Supports Web, SNMP management and network diagnostics maintenance methods

## 250 Meters Transmission

With 8-pin and the professional network extension technology, the transmission distance of power and data can be up to 250 meters, which can work in place of network extender or some optical fiber to expand the network without additional cost.

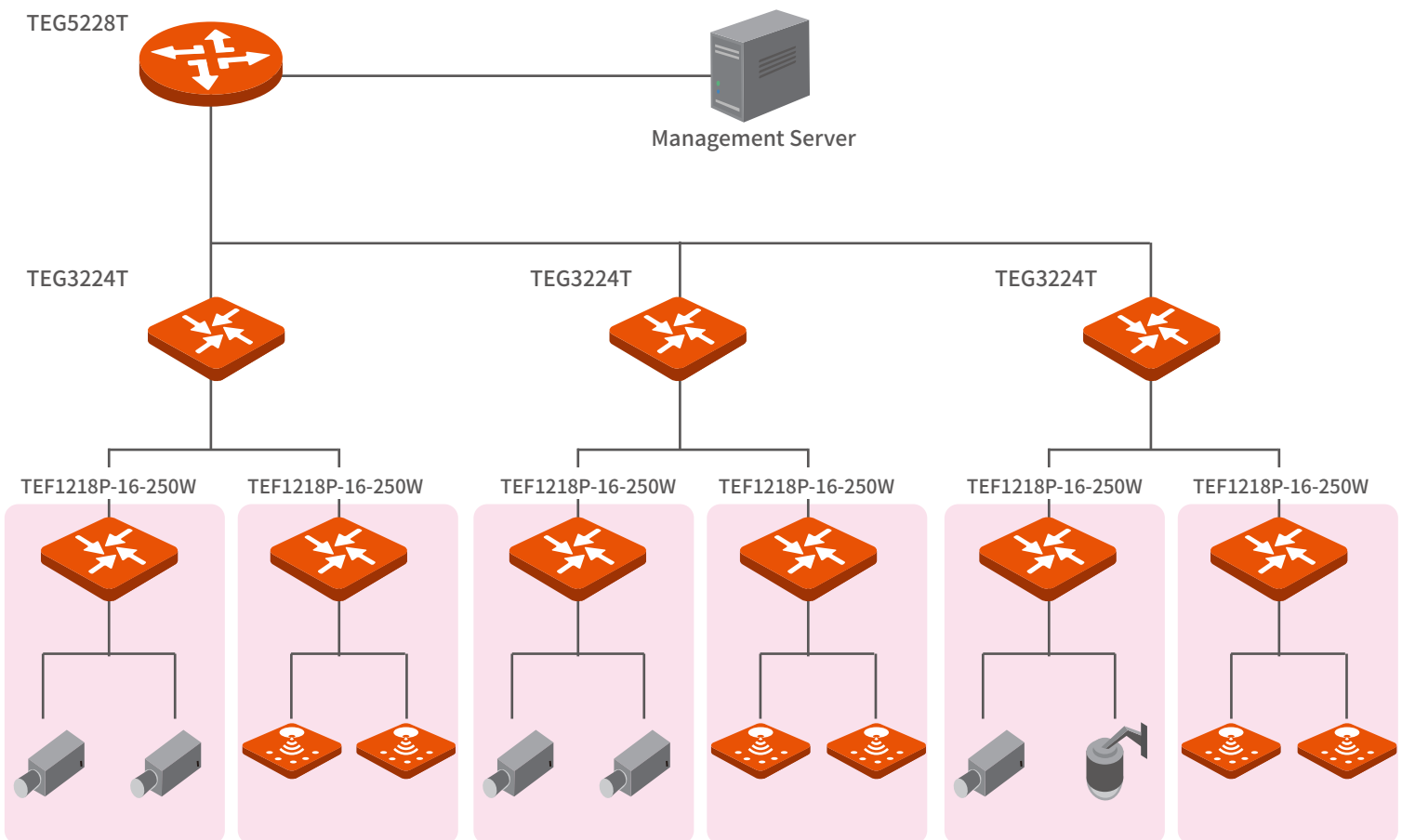
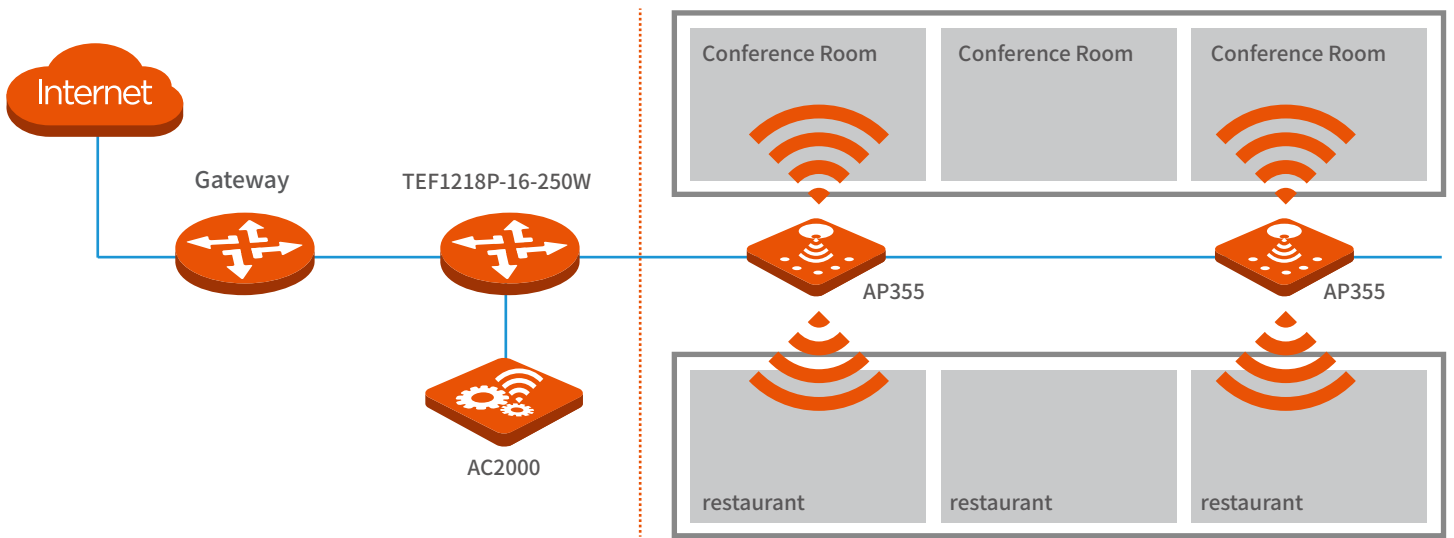
## Outstanding PoE Power Supply

Ports 1-16 support IEEE 802.3at and IEEE 802.3af PoE standard. It provides 40W maximum PoE output a single port and 230W the whole device, which can power the high-power device. Various interface types (1000Mbps RJ45 ports, SFP uplink ports and 10/100Mbps PoE ports) meet the 100M and Gigabit Ethernet transition seamlessly.

## Reliability and Security

It provides PSE short-circuiting protection, PoE overloading, power over temperature, over voltage and surge current protection. And professional 6Kv lightning protection protects the device from thunder strike.

# Application



## Product Model TEF1218P-16-250W

### Hardware Features

Standards&Protocols	IEEE 802.3、 IEEE 802.3u、 IEEE 802.3z、 IEEE 802.3ab、 IEEE 802.3x、 IEEE 802.1D、 IEEE 802.1W、 IEEE 802.1Q、 IEEE 802.3af、 IEEE 802.3at	
Switching capacity	7.2 Gbps	
Throughput	5.36Mpps	
Dimensions (W × D × H)	440mm*284mm*44mm	
MTBF	≥100,000 hours(about 11 years)	
Interfaces	16 10/100Mbps RJ45 Ports(Data/PoE) 2 10/100/1000Mbps RJ45 Ports(Data) 2 100/1000Mbps SFP Slot(Data) (Auto Negotiation/Auto MDI/MDIX)	
Port lightning protection	≥6KV	
Capacity	Wire-speed forwarding	Support
	Forwarding mode	Store-forward and cut-through
	Mac Address Table	4K
PoE Supply	Port 1 to Port 16 support standard IEEE802.3at/af power( maximum power for each port is 40W), PoE power type is end-span(12+, 36- and 45+, 78- line pair)	
Input Voltage	AC: 100-240V~ 50/60Hz	
Power consumption	in full configuration: <250W Power Supply: 230W	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing	

### Software Features

PoE management	Support over temperature protection for PoE module Support graphical management, detection of PD equipment
VLAN	Supports up to 18 VLAN IDs Port VLAN Supports up to 31 VLAN IDs 802.1Q VLAN
Security	MAC-Port Binding
Link aggregation	Static Trunk Supports 3 groups of 4-Port trunk support
STP	STP/RSTP
IGMP Snooping	IGMP (v1/v2) Snooping
Port Mirroring	N: 1 port mirroring
QoS	802.1p and DSCP priority re-marking Flow control Flexible queue scheduling algorithm can be set based on port and queue, support SP, WRR,
Firmware upgrade	Upgrade via the Web
Management and maintenance	Support SNMP v1/v2 and WEB-based management
Certification	FCC、 CE、 RoHS

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