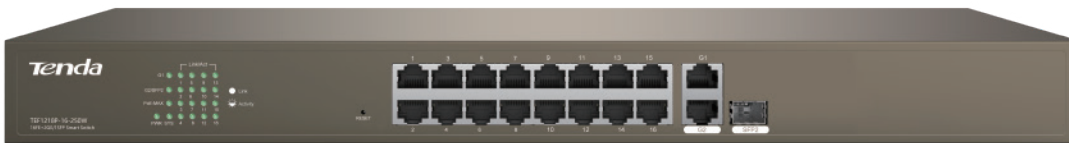# Tenda

All for better networking.

TEF1218P-16-250W

16FE+2GE/1SFP Smart Switch With 16-Port PoE

Link More

TEF1218P-16-250W

16FE+2GE/1SFP Smart Switch With 16-Port PoE

Products Description

TEF1218P-16-250W is a smart PoE switch independently designed by Tenda. Featured with 16 IEEE 802.3at/af-compliant RJ45 ports, it supplies a maximum PoE power output of 250 W. The switch can supply power when transmitting data with APs, IP cameras, and IP phones through CAT5 cables . Featured smart management functions, including 250 m long distance power supply, 802.1Q VLAN, link aggregation, QoS and MAC address binding, it minimizes the difficulty and cost in networking deployment.

Key Feature

- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab，IEEE 802.3z，IEEE 802.3x, IEEE 802.1q，IEEE 802.1p, IEEE 802.1d, IEEE 802.1w and IEEE802.3af/at standards.
- 16 * 10/100 Mbps Base-TX RJ45 ports for data transmission and power supply, 2 * 10/100/1000 Mbps Base-T RJ45 ports for data transmission, 1 * 10/100/1000 Mbps Base-X combo SFP slot.
- 4 K MAC address table and MAC address auto-learning.
- IEEE 802.3x-compliant full-duplex flow control and half-duplex backpressure flow control.
- 7.2 Gbps backplane bandwidth.
- Maximum power consumption of a single port: 30W; Maximum power consumption of the switch: 230W.
- 2.75 MB cache size for smooth video surveillance.
- Support Web management, 802.1Q VLAN, link aggregation, QoS and MAC address binding.
- Standard rack-mounting design.

Product Features

6 kV lightning protection

The switch offers various safety and protection types, including 6 kV lightening protection, PSE short-circuit protection, PoE overload protection, surge current protection etc.

Gigabit uplink port

With one 10/100/1000 Mbps combo SFP slot, the switch can meet the current demand for uplink bandwidth of Gigabit WLAN and HD digital surveillance.
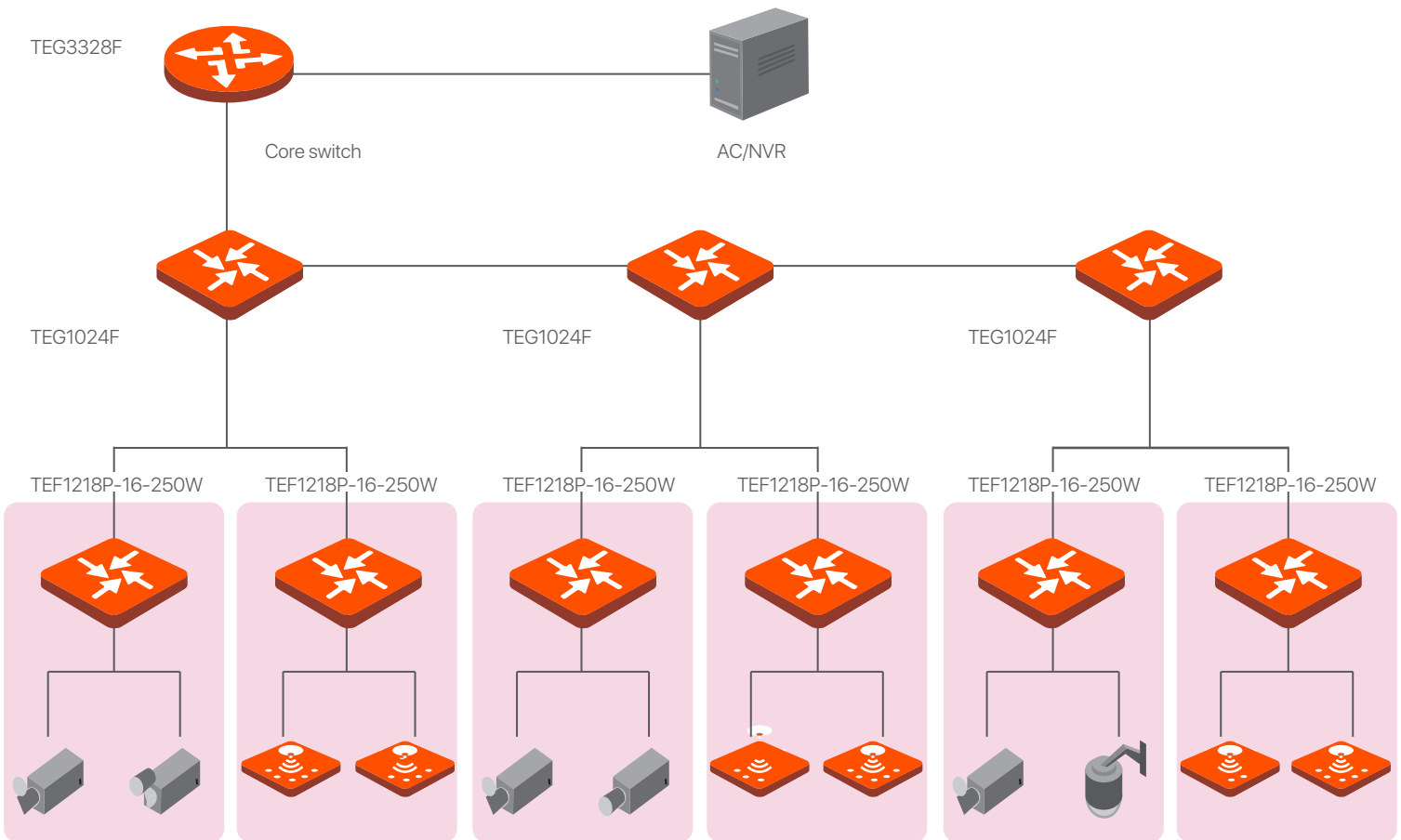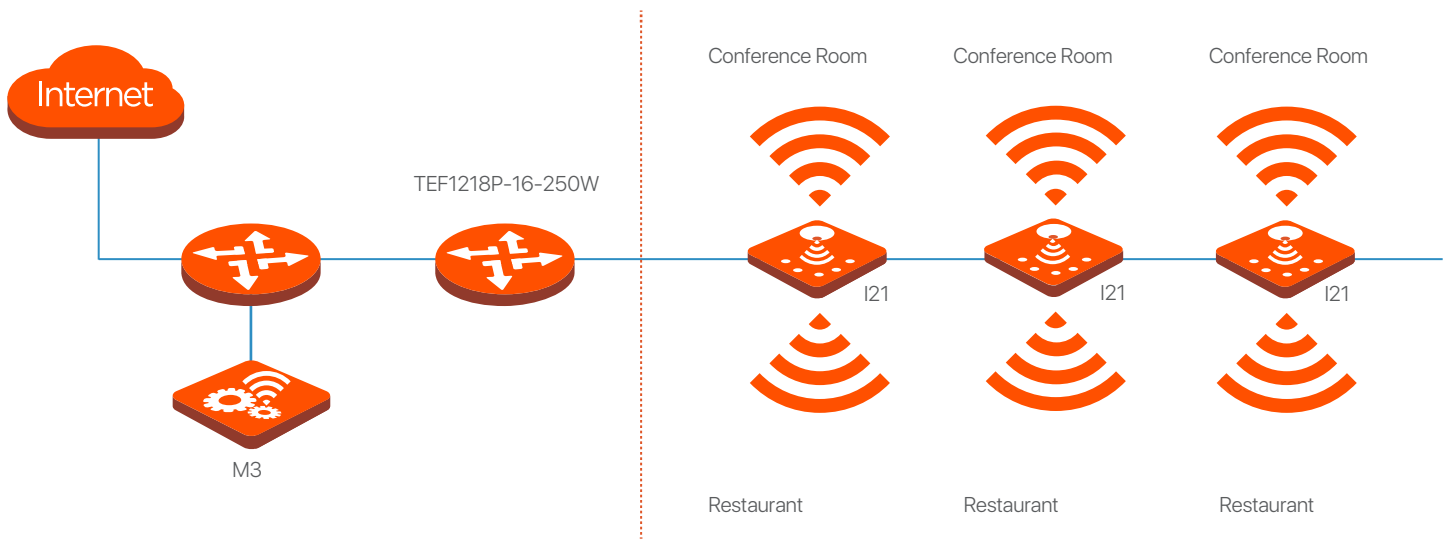
230 W PoE power supply

The switch features 16 IEEE 802.3at/af-compliant RJ45 ports. The entire switch offers a maximum PoE power output of 230 W, and 30 W for a single port, to supply power to and data transmission with 16 PoE-powered devices such as APs and IP cameras.

Smart Web management

The switch supports smart management functions, including 250 m long distance power supply , 802.1Q VLAN, link aggregation, QoS, MAC address binding, which minimizes the difficulty and cost in networking deployment.

Application

Internet

TEF1218P-16-250W

M3

Conference Room

Conference Room

Conference Room

I21

I21

I21

Restaurant

Restaurant

Restaurant

TEG3328F

Core switch

AC/NVR

TEG1024F

TEG1024F

TEG1024F

TEF1218P-16-250W

TEF1218P-16-250W

TEF1218P-16-250W

TEF1218P-16-250W

TEF1218P-16-250W

TEF1218P-16-250W

16FE+2GE/1SFP Smart Switch With 16-Port PoE

Product specifications

Product Model	TEF1218P-16-250WV3.0
Hardware Features	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1p, IEEE802.1q, IEEE802.1w, IEEE802.3af/at
LEDs indicator	16 * Link/Act LEDs 1 * G1 LED 1 * G2/SFP2 LED 1 * PoE-MAX LED 1 * Power LED 1 * SYS LED
Interfaces	16 * 10/100 Mbps Base-TX RJ45 ports (Data/Power) 2 * 10/100/1000 Mbps Base-T RJ45 ports (Data) 1 * 10/100/1000 Mbps Base-X SFP port (Combo)
Forwarding Rates	5.36 Mpps
Switching capacity	7.2 Gbps
MAC Address Table	4K
Lightning protection	≥6KV
Input voltage	AC: 100-240V~50/60Hz
PoE supply	Ports 1-16 support standard IEEE802.3af/at 30W output per PoE port 230W output of the total PoE Power
Power consumption	250W output the whole device
Dimensions	440*178.8*44mm
Environment	Operating Temperature: 0℃~45℃ (32°F~113°F) Storage Temperature: -40℃~70℃ (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

PoE management	Support over temperature protection for PoE module Support graphical management detection of PD equipment
VLAN	Supports Port VLAN Supports 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
Certifications	CCC、FCC、CE、RoHS