Tenda

TEM2010F

8-Port 2.5G Ethernet Switch with 2*2.5G SFP slots

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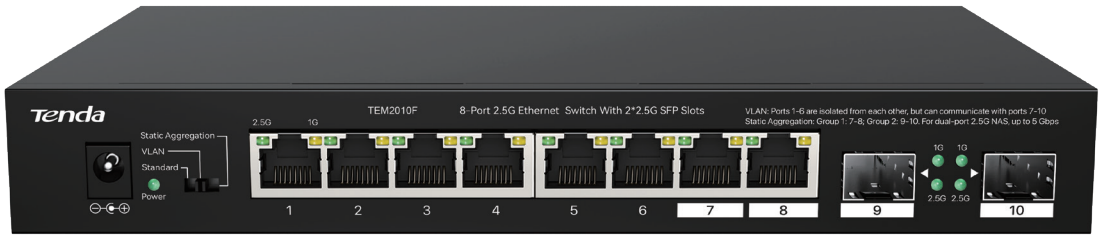


TEM2010F

8-Port 2.5G Ethernet Switch with 2*2.5G SFP slots

Descriptions

TEM2010F is an 8-port 2.5G Ethernet switch with 2 SFP ports independently designed by Tenda. The switch supports three-mode toggle and offers eight 2.5 Gbps RJ-45 ports and two 2.5 Gbps SFP ports, establishing high-speed network along with computers, NAS, TV set-up boxes, Wi-Fi6 APs and so on. TEM2010F is an ideal access device for high-speed network deployment in SMEs, SOHOs, villas or wireless networking scenarios.

Features

- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3bz, IEEE 802.3cb
- 8*100/1000/2500 Mbps Base-TX Ethernet ports, 2*100/1000/2500 Mbps Base-X SFP ports
- 16 K MAC address table and MAC address auto learning
- IEEE 802.3x full duplex flow control and half duplex backpressure flow control
- 50 Gbps switching fabric for non-blocking wire speed forwarding
- 6 kV Lightning Protection
- Three-mode toggle: Standard, VLAN, Static Aggregation
- Desktop mounting & Wall mounting

USPs

Three-mode Toggle

The switch supports three modes of Standard, VLAN and Static Aggregation, flexible for complex networking requirements with lowered costs.

High-speed Bandwidth

The switch offers eight 2.5 Gbps RJ-45 ports and two 2.5 Gbps SFP ports, with a maximum rate up to 5 Gbps, capable for high-speed network requirements.

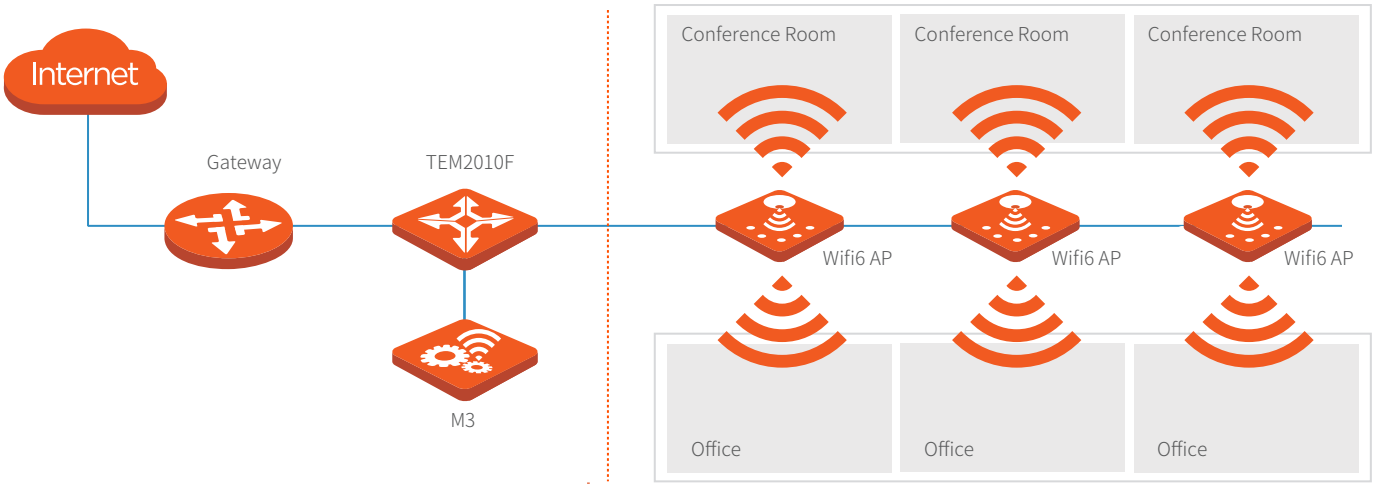
Wire Speed Forwarding

The switch supports wire speed forwarding on all ports, achieving a better experience with faster forwarding of data traffic and less delay.

Smooth Upgrade

The switch can upgrade the bandwidth of application to 2.5 Gbps, without any change in network architecture.

Typical Scenario



Specifications

Model	TEM2010F
Hardware Specifications	
Network Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3bz，IEEE 802.3cb
(MTBF)/MTBF	⩾100,000 hours
LED Indicators	Two Link/Act LED indicators for each port One Power LED indicator for each device
Ports	8*100/1000/2500 Mbps Base-TX Ethernet ports 2*100/1000/2500 Mbps Base-X SFP ports
Lightning Protection	⩾6 kV
Forwarding Mode	Store and forward
Switching Capacity	50 Gbps
Forwarding Rate	37.2 Mpps
MAC Address Table	16 K
Input Voltage	AC: 100-240V 50Hz/60Hz
Dimensions (L × W × H)	220mm*135.6mm*31.5mm（L*W*H）
Three-mode Toggle	Three-mode toggle through one DIP switch: 1. Standard: In this mode, all ports can communicate with each other. 2. VLAN: Ports 1-6 are isolated from each other, but can communicate with ports 7-10 3. Static Aggregation: Group 1: 7-8; Group 2: 9-10. For dual-port 2.5G NAS, up to 5 Gbps
Environment	Operating temperature: 0°C - 45°C Storage temperature: -40°C - 70°C Operating humidity: (10% - 90%) RH, non-condensing Storage humidity: (5% - 90%) RH, non-condensing
Certificates	CCC、FCC、CE、RoHS

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