Tenda
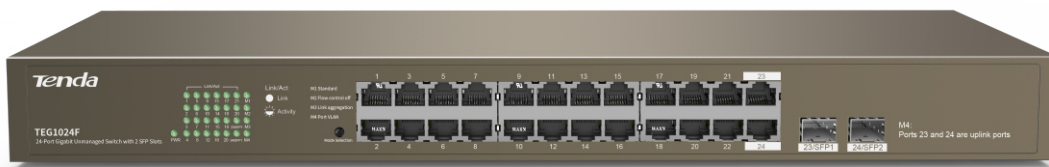
All for better networking.

TEG1024F

24-Port Gigabit Unmanaged Switch
with 2 SFP Slots

Link More

TEG1024F

## 24-Port Gigabit Unmanaged Switch with 2 SFP Slots

Product Description

TEG1024F is a 24-port gigabit rackmount switch providing easy-to-use, cost-effective and fast network for IP surveillance projects, offices, workgroups and small and medium-sized enterprises. With 2 gigabit SFP combo ports used to connect to Tenda optical modules, it can be used for long distance networking up to 20 km. TEG1024F also offers a data rate in full duplex of as high as 2000 Mbps, ensuring fast transmission of large files and smooth playback of videos. With professional lightning protection circuit, the switch provides 6 kV lightning protection for all the RJ45 ports and the power module, ensuring stability and reliability of the switch. TEG1024F allows users to change its work modes among standard (default mode), flow control off, link aggregation and port VLAN, fitting multiple network environments, making it the perfect choice for you to extend or upgrade your high-speed, stable gigabit wired network at long distance.

01

Mark

7x24
Stable connection for 7x24

Stable connection for 7*24

All ports support line-speed forwarding , and built-in 256KB SRAM for packet buffer ensure the smoothly and timely transfer of large files and stable streaming video. Stay connected for 7*24.

4
Modes
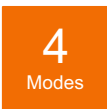
4 modes for different networks

M1: Standard mode, the default mode of the switch. In that mode, all ports can communicate with each other, but the switch could not be managed through web UI.

M2: Flow Control Off mode. In this mode, flow control is disabled on all ports.

M3: Link Aggregation mode. In this mode, ports 23 and 24 form a static link aggregation group (LAG). Traffic is distributed between the two ports based on source and destination MAC addresses. When your switch works at the edge of a network and one of its uplink ports is used to connect to a central device, you are recommended to change the switch to this mode.

M4: Port-based VLAN mode. In that mode, ports 1 to 22 can communicate with uplink ports (ports 23 and 24) but cannot communicate with each other. You can use this mode to isolate DHCP broadcast and eliminate broadcast storm.

Excellent lightning protection

Professional integrated lightning protection circuit enables the 24 GE ports to provide IV-class (6 kV in common mode) lightning protection, effectively decreasing the damage rate to the uplink ports by lightning surge.
The built-in power supply module is designed with enhanced lightning protection, which can withstand 6 kV lightning surge, 3 times higher than other ordinary switches, effectively protecting the switch from being damaged by adverse thunder storm.

Specification

Model NO.	TEG1024F
Hardware Features	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab
Intertface	24*10/100/1000M auto-negotiation RJ45 ports (Auto MDI/MDIX) 2*1000M SFP solts (Combo)
Transmission Media	10Base-T: Cat. 3 UTP or better, 100Base-TX: Cat.5 UTP or better 1000Base-T: Cat.5e UTP or better, 1000BASE-X: MMF, SMF
Forwarding Speed	10Mbps: 14880pps, 100Mbps: 148800pps, 1000Mbps: 1488000pps
Power Supply	Input: AC:100-240V; 50/60Hz
Lightning Level	6kV in Common Mode Protection for 24*GE ports 6kV in Common Mode, 4kV in Differential Mode Protection for power supply
Product Dimensions （L*W*H)	440mm *178mm *44mm
LEDs	1* Power, 24* Link/Act, 4*mode status lights
Switching Capacity	48Gbps
Packet buffer	256KB
MAC Address Table	8K
Fan Quantity	Fanless
Power Consumption	Maximum : 13W (220V)
Software Features	
Transfer Method	Store and Forward
Access Control	CDMA/CD
Mode	M1: Standard mode, the default mode of the switch. In that mode, all ports can communicate with each other. M2: Flow Control Off mode. In this mode, flow control is disabled on all ports. M3: Link Aggregation mode. In this mode, ports 23 and 24 form a static link aggregation group (Static LAG , SMAC+DMAC). M4: Port-based VLAN mode, ports 1 to 22 can communicate with uplink ports (ports 23 and 24) but cannot communicate with each other.
MAC Address Learning	Automatic update
Others	
Temperature	Operating Temperature: 0℃~40℃ Storage Temperature: -40℃~70℃
Humidity	Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Certification	CE , FCC , RoHS
Related Products	TEG1008D 8-Port Gigabit Ethernet Switch TEG311SM Single-Mode MiniGBIC Module TEG1024D 24-Port Gigabit Ethernet Switch
Compatible OS	Windows 8 32/64 bit , Windows 7 32/64 bit , Windows xp 32/64 bit , Linux , MAC OS
Package Contents	TEG1024F Power Cord, Rackmount Kit, Rubber Feet User Guide

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