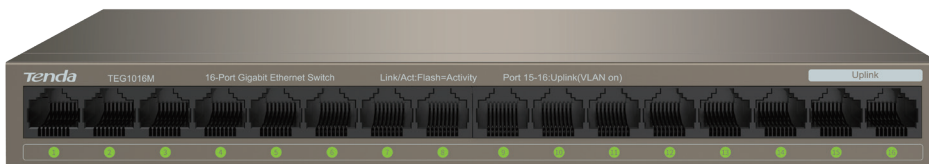**Tenda**



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# TEG1016M

16-Port Gigabit Ethernet Switch

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# TEG1016M

## 16-Port Gigabit Ethernet Switch

## Descriptions

TEG1016M is a Gigabit unmanaged Ethernet switch developed by Tenda. Its full-duplex transmission rate can reach 2000 Mbps, ensuring timely transmission of large files and smoothness of videos. The switch features a mini steel shell, a fanless design, and wire-speed forwarding of all ports. It comes with a power adapter for power supply, and can connect to such network devices as computers and IP cameras. The switch also supports one-key isolation mode switching. With the advantages of plug and play functionality, easy installation and high performance, it offers a cost-effective solution for video surveillance and wired networking in such small and medium-sized scenarios as small and micro businesses, villas, and stores.

# Features

- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, and IEEE 802.3x standards.
- Provide 16 10/100/1000 Mbps Base-T Ethernet ports and support auto MDI/MDIX.
- Support 8K MAC address table and MAC address auto-learning.
- Support 10K Jumbo Frame, improving the forwarding rate of large files.
- Support full duplex IEEE 802.3x flow control and half duplex back pressure flow control.
- Support unblocked wire speed forwarding for all ports.
- Integrated professional lightning protection circuit offers 6kV lightning protection for all Ethernet ports.
- One-key VLAN function helps isolate broadcast storms effectively.
- Feature a mini steel shell, plug and play functionality, and an simple-to-use design.

# Product Features

## All Gigabit Ports

The switch provides 16 10/100/1000 Mbps auto-negotiation RJ45 ports. The full-duplex transmission rate of the switch can reach 2000 Mbps, and all ports feature wire speed forwarding, ensuring high performance for processing applications that require high bandwidth.

## One-key VLAN

Under the VLAN mode, ports 1 to 14 cannot communicate with each other, but can communicate with uplink ports 15 to 16, isolating broadcast storms and enhancing network security.
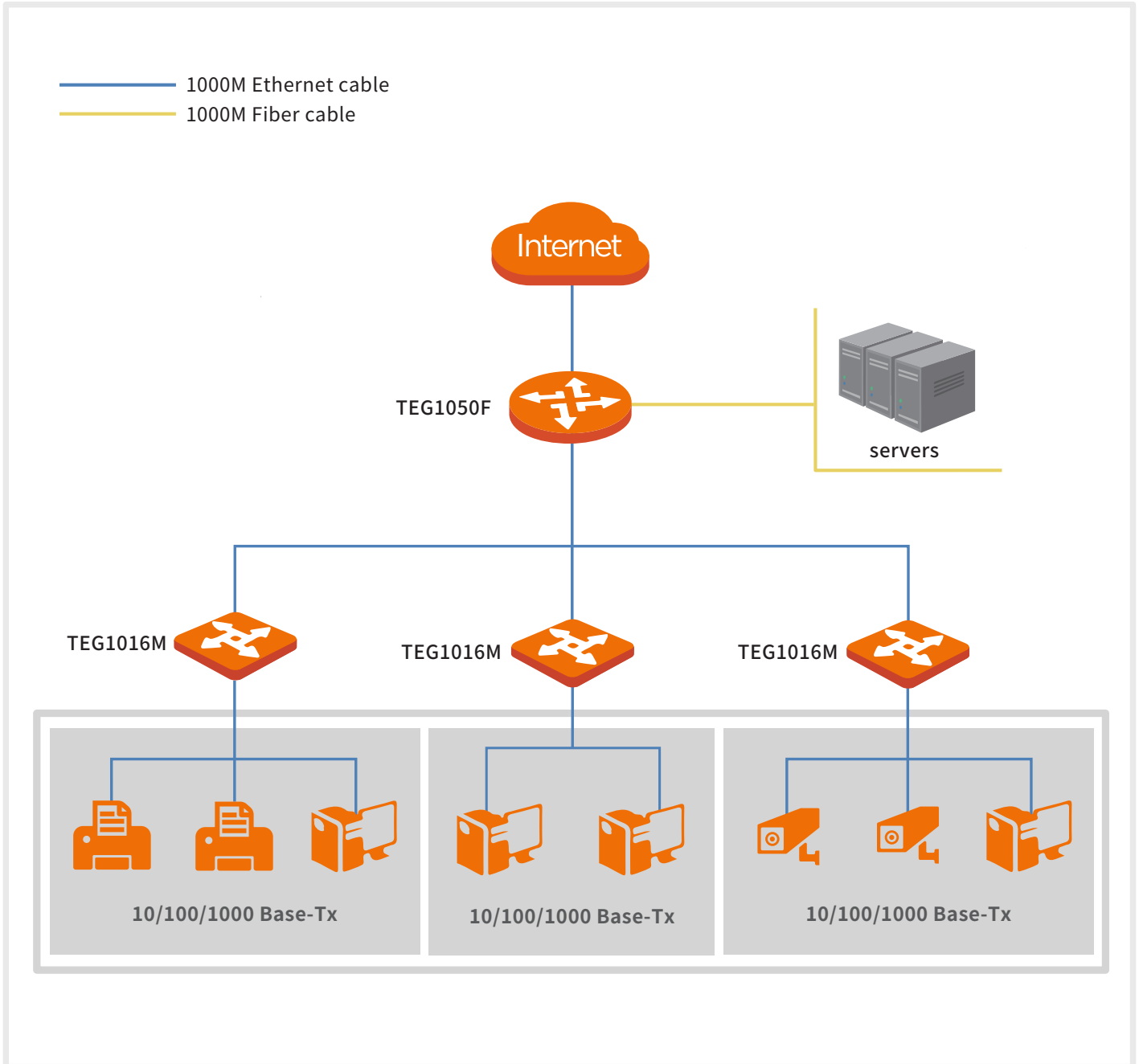
## 6kV Lightning Protection

This switch provides 6 kV lightning protection for all Ethernet ports, and supports over-temperature, over-voltage and surge current protection.

## Mini Steel Shell

The switch features a mini steel shell design. With plug & play function, it needs no professional settings and can be used for networking directly, greatly reducing the maintenance cost.

# Applocation



1000M Ethernet cable
1000M Fiber cable

Internet

TEG1050F

servers

TEG1016M

TEG1016M

TEG1016M

10/100/1000 Base-Tx

10/100/1000 Base-Tx

10/100/1000 Base-Tx

# Product Specifications

| Product model | |
| --- | --- |
| Network standards | IEEE802.3、 IEEE802.3u、IEEE802.3x、 IEEE802.3ab |
| LED indicators | One Link/Act LED indicator for each Gigabit port<br>One Power LED indicator for each device |
| Ports | 16 10/100/1000Base-T Ethernet ports |
| Transmission medium | Ethernet: CAT3 UTP or better<br>Fast Ethernet: CAT5 UTP or better<br>Gigabit Ethernet: CAT5e UTP or better |
| Dimensions (L x W x H) | 235mm*103mm*27mm |
| Product material | Steel shell |
| Fan | Fanless |
| Protection | Port lightning protection: 6 kV<br>Electrostatic protection:<br>-Air discharge: ±8 kV<br>-Contact discharge: ±6 kV |
| Forwarding mode | Store-and-forward |
| Switching capacity | 32Gbps |
| Packet forwarding rate | 10Mbps：14880pps<br>100Mbps：148800pps<br>1000Mbps：1488000pps |
| Buffer | 2Mb |
| MAC address table | 8K |
| Jumbo frame | 10K |
| Power supply | Input: 100 - 240V AC 50/60Hz, 0.4A<br>Output: 12V 1A |

# Product Specifications

| Product model | |
|---|---|
| Whole switch consumption | Max: <12 W |
| Mounting methods | Desktop mounting: Support<br>Wall mounting: Support<br>Rack mounting: Not Support |
| Environment | Operating temperature: 0°C - 45°C<br>Storage temperature: -40°C - 70°C<br>Operating humidity: (10% - 90%)RH, non-condensing<br>Storage humidity: (5% - 90%)RH, non-condensing |
| Certificates | CCC, FCC, CE, RoHS |

| Software features | |
|---|---|
| Protocol | CDMA/CD |
| MAC address learning | Auto learning and auto updating |
| Function | One-key VLAN (In this mode, ports 1 to 14 cannot communicate with each other, but can communicate with ports 15 to 16.) |

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