

Tenda



All for better networking.

TEG5312F

L3 Managed Switch



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Products Description

TEG5312F is a Tenda Layer-3 managed switch. To meet the demand of high-performance access, the switch provides 10 10/100/1000 Mbps Base-T Ethernet ports and 2 separate 1000 Mbps Base-X SFP ports. With an innovative hardware structure and software platform, it features a powerful processing capacity and complete security protection mechanism, making management and maintenance easy and simple, fully meeting the demands of high-density user access and high-performance aggregation, ideal for the aggregation layer or core layer of such medium to large networks as enterprises and campuses.

Product Features

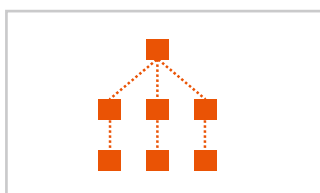
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s standards
- 10 x 10/100/1000 Base-T Ethernet ports, 2 separate 1000 Base-X SFP ports
- 16 K MAC address table and MAC address auto-learning
- 12Mb large cache queue
- Supports abundant services, such as static routing, DHCP server, VLAN, IGMP, ACL, SNMP and Telnet
- Built-in 6 kV professional lightning protection power, 19 inch/1 u standard rack-mounted design

Key Features



6 kV professional lightning protection

Built-in professional lightning protection circuit, support 6KV port lightning protection, effectively reduce the damage caused to the network system by thunderstorms, and improve the robustness of the system



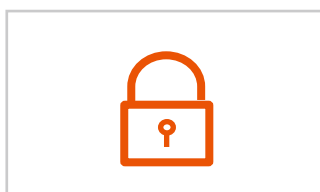
Layer-3 routing protocol

Supports Layer-3 static routing protocol, meeting the demand of the 3-layer networking environment in which Layer-3 networks should be interconnected while Layer-2 networks should be isolated, thus realizing an efficient and fast layer-3 routing forwarding



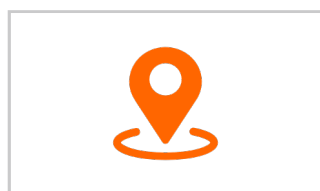
12M large buffer

Provides a large 12Mb buffer, which can meet the network application requirements of large traffic bursts such as engine search, IPTV, P2P download, and no packet loss during traffic bursts



Rich security features

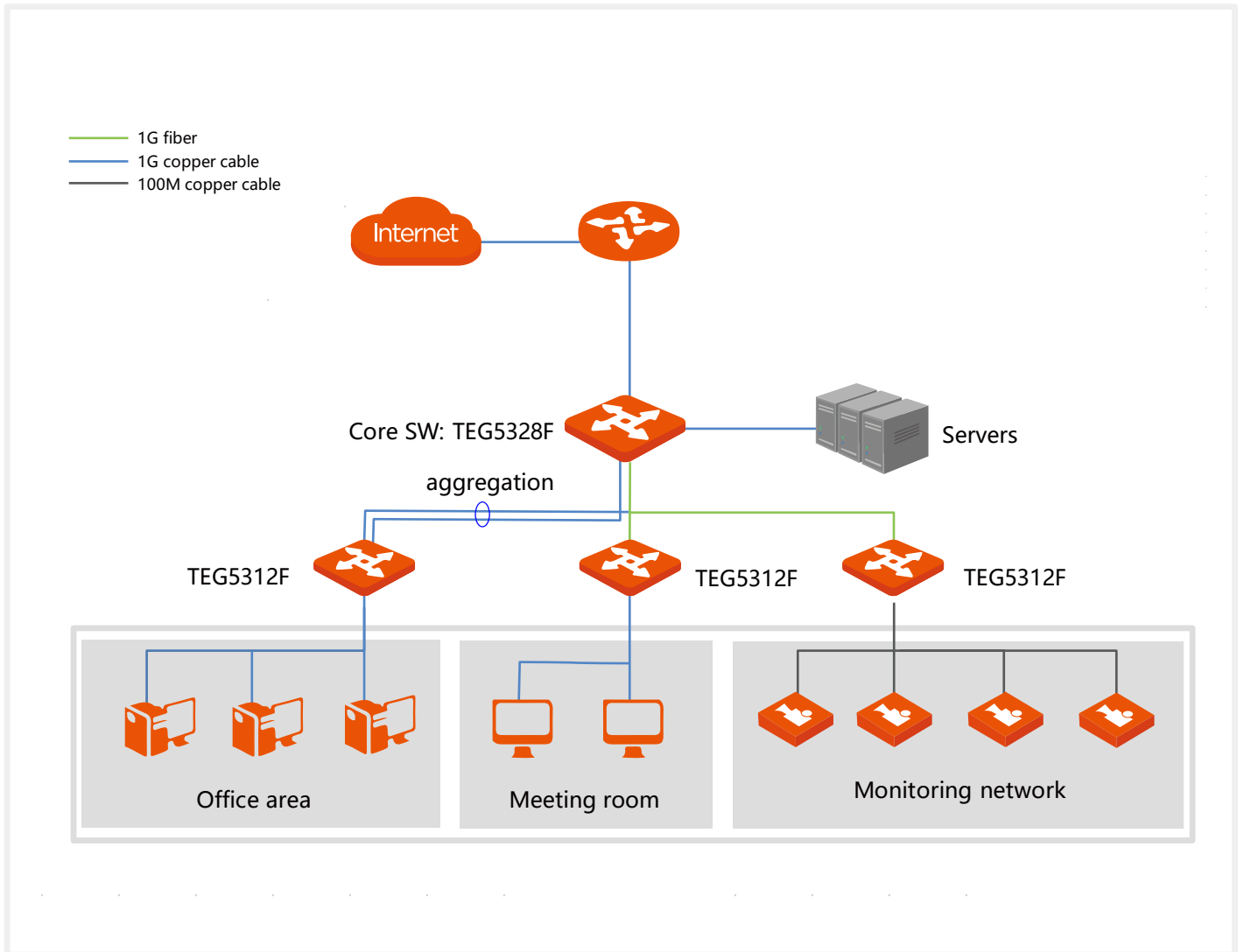
Supports IP address filtering, MAC address filtering, ARP filtering, DoS attack defense, and ACL access control list, improving network security



Map visualization

Supports auto discovery of ONVIF based ip-camera and access point, support automatically topology generate.

Application



Specifications

| Hardware specifications | |
|-------------------------|---|
| Network standards | IEEE802.3、IEEE802.3u、IEEE802.3ab、IEEE802.3ad、IEEE802.3z、IEEE802.3x、IEEE802.1p、IEEE802.1q、IEEE802.1w、IEEE802.1d、IEEE802.1s |
| LED indicators | One Link/Act LED indicator for each port One Power LED indicator for each device One SYS LED indicator for each device |
| Fixed ports | 10 x 10/100/1000 Base-T Ethernet ports 2 x 1000 Base-X SFP ports |
| Lightning protection | ≥6 kV |
| Forwarding mode | Store-and-forward |
| MAC address table | 16K |
| Input voltage | 100-240V ~ 50/60Hz |
| Dimensions | 294 mm x 179.6 mm x 44 mm |
| Operating environment | Operating temperature: 0°C - 40°C Storage temperature: -40°C - 70°C Operating humidity: (10% - 90%)RH, non-condensing, Storage humidity: (5% - 90%)RH, non-condensing |
| Software specifications | |
| Security features | ARP receiving limit Unknown MAC address discard DoS attack defense 802.1x security authentication Radius security authentication |
| VLAN | IEEE 802.1Q VLAN VLAN Layer-3 interfaces Supports three port modes: Access, Trunk and Hybrid |
| DHCP | DHCP Server DHCP Relay DHCP Snooping Supports Option 82 policy configuration |
| L3 Routing | VLAN-based routing IPv4 static routing adding Supports static ARP adding/deleting Supports ARP aging time configuration |
| Port aggregation | Static aggregation LACP dynamic aggregation |
| Spanning tree | IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) Supports edge port Supports BPDU statistics |

Specifications

Software specifications

| | |
|----------------------------|---|
| Multicast | IGMP Snooping V1/V2/V3 Supports port fast leave |
| Port Mirroring | Supports N: 1 port mirroring |
| QoS | SP (Strict Priority) SWRR (Simple Weighted Round Robin) WRR (Weighted Round Robin) Supports 802.1p port trust mode Supports DSCP port trust mode Supports a maximum of 8 queue service quality mapping |
| ACL | Supports MAC ACL and IP ACL |
| Loading and upgrade | Supports FTP/TFTP/HTTP upgrade Supports configuration import and export |
| Management and maintenance | Supports Telnet, Console Supports SNMP V1/V2/V3 Supports WEB management and maintenance Supports Ping/Tracert/Connection Detection Supports local visualization management |
| Certificates | CCC、FCC、CE、RoHS |

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