



L3 Managed PoE Switch

TEG5310P-8-150W

SKU: 129687 UPC: 885397000000

TEG5310P-8-150W is a Tenda Layer-3 managed PoE switch. To meet the demand of high-performance access, the switch provides 9 10/100/1000 Mbps Base-T Ethernet ports and 1 separate 1000 Mbps Base-X SFP ports, and a PoE power of up to 130 W. 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 access layer of such medium to large networks as enterprises and campuses.

Layer-3 Routing Engine, High-Efficiency Fast Forwarding

Supports Layer 3 routing protocols, supports Layer 3 forwarding of up to 400+ terminals, easily meets Layer 3 routing and forwarding across network segments, and truly achieves Layer 2 network isolation and Layer 3 network interworking. Compared with using a Layer 2 switch for transmission, there is no need to go through a router, and the forwarding speed is faster!

Map Visualization

It supports auto discovery of ONVIF based IP camera and access point, and also supports automatically topology generate.

130W Smart PoE Power Supply

It uses a new 150W built-in PoE power supply, and the maximum output power of PoE is 130W. At the same time, the built-in PSE chip with an intelligent power management function can monitor the temperature of the chip and customize the PoE power supply based on the time period. The device will automatically turn on / off the PoE function during working hours and idle time to minimize energy consumption and extend the service life of the device.

Flexible QoS, Precise Traffic Control

The TEG5310P-8-150W supports three QoS scheduling modes (SP, SWRR, WRR) for more accurate traffic control. After the QoS function is enabled, the traffic in the network will be precisely controlled according to the priority of the label. It will prioritize important traffic and reduce the proportion of data flows that occupy a large amount of insignificant traffic in the condition of limited bandwidth, in order to better meet the current transmission needs.

Supports Layer 2 And Layer 3 ACL, For More Secure Access

Support strict access control based on MAC address or IP address, which can filter the corresponding data packets to enhance user network security. It can be used for network deployment of government, medical and other units.

Multiple Attack Defenses, Multiple Security Blessings

Support IP / MAC / ARP filtering / DoS attack protection, enable attack protection according to networking requirements, bring multiple layers of protection to user network security, and ensure network stability and failure-free.

Features

- 802.1Q VLAN
- LLDP Neighbor Discovery
- Port aggregation
- Loop Protection
- Port mirroring
- DHCP snooping

Hardware Network standards 3ã€ IEEE802.3uã€ IEEE802.3abã€ IEEE802.3zã€ IEEE802.3ã€ IEEE802.3af/atã€ IEEE802.1pã€ IEEE802.1qã€ IEEE802.1wã€ IEEE802.1dã€ IEEE802.1s LED Indicator 1*Link/Act or PoE LED indicator 1*Link/1*Link/Act mode converting LED indicator 1*PoE mode converting LED indicator 1*PoE Max LED indicator 1*Power LED indicator 1*SYS LED indicator Interfaces 8*10/100/1000 Base-T Ethernet ports (Data/Power) 1*10/100/1000 Base-T Ethernet ports (Data) 1*1000 Base-X SFP ports (Data) Transmission media Recommended: CAT5/5e UTP or better Fan quantity N/A Level of protection Lightning protection for ports: 6kV Lightning protection for power: 6kV ESD: Air discharge: ±10kV Contact discharge: ±8kV Forwarding mode Store-and-forward Switch capacity 20Gbps Packet forwarding rate 90Mpps Buffer 12Mb MAC address table 16K Jumbo frame 10K PoE power supply management Support PoE budget Single port: AF: 15.4W, AT: 30W Whole device: 130W Input voltage 100-240V AC 50/60Hz Power consumption Full load: 160W Empty load: 12W Dimension 0mmx179.6mmx44.0mm Mounting Desktop mounting: support Wall mounting: support Rack mounting:non-support Energy Efficient Support 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 Certification FCCã€ CEã€ RoHS Software L3 Features VLAN-based routing IPv4 static routing adding Static ARP adding/deleting ARP aging time configuration PoE power supply management Supports port PoE configuration and power supply with priority Supports PoE over-temperature protection Supports PoE scheduled management Supports intelligent management and PoE-powered device detection (port status, power assignment and PoE-powered device status) Security features ARP receiving limit Unknown MAC address discard DoS attack defense 1x security authentication Radius security authentication VLAN IEEE 802.1Q VLAN VLAN Layer-3 interfaces Supports three port modes: Access, Trunk and Hybrid DHCP Server DHCP Server DHCP Relay DHCP Snooping Supports Option 82 policy 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 Multicast IGMP Snooping V1/V2/V3 Supports port fast leave Port Mirroring Supports N: 1 port mirroring Quality of Service 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 Supports SNMP V1/V2/V3 Supports WEB management and maintenance Supports Ping/Tracer/Connection Detection CPU Monitoring and memory monitoring Local visualization management