

## HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Interface	8 10/100/1000Mbps RJ45 ports (Auto Negotiation/Auto MDI/MDIX) 2 Gigabit SFP Slots 1 RJ45 Console Port 1 Micro-USB Console Port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF
Fan Quantity	Fanless
Physical Security Lock	Yes
Power Supply	100 ~ 240VAC, 50/60Hz
Power Consumption	Maximum: 8.38W (220V/50Hz)
Dimensions ( W x D x H )	11.6 × 7.1 × 1.7 in. (294 × 180 × 44 mm)
Mounting	Rack Mountable
Max Power Consumption	6.836 W (220 V/50 Hz)
Max Heat Dissipation	23.32 BTU/h

## PERFORMANCE

Bandwidth/Backplane	20Gbp
Packet Forwarding Rate	14.9Mpps
MAC Address Table	8k
Packet Buffer Memory	4Mb
Jumbo Frame	9KB

## SOFTWARE FEATURES

Quality of Service	Support 802.1p CoS/DSCP priority Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting Voice VLAN
L2 Features	IGMP Snooping v1/v2/v3 MLD v1/v2 Snooping 802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group) Spanning Tree STP/RSTP/MSTP Port isolation BPDU filtering/guard TC/Root protect Loop back detection 802.3x Flow Control LLDP/LLDP-MED DHCP VLAN Relay L2PT

## SOFTWARE FEATURES

VLAN	<p>Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)</p> <p>MAC/Protocol-based VLAN</p> <p>GARP/GVRP</p> <p>VLAN VPN (QinQ)</p> <p>Management VLAN configuration</p>
Access Control List	<p>L2 ~ L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID;</p> <p>Time Range Based</p>
Security	<p>IP-MAC-Port-VID Binding</p> <p>AAA</p> <p>DHCP Snooping</p> <p>IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN</p> <p>DoS Defend</p> <p>Dynamic ARP inspection (DAI)</p> <p>SSH v1/v2</p> <p>SSL v2/v3/TLSv1</p> <p>Port Security</p> <p>Broadcast/Multicast/Unknown-unicast Storm Control</p> <p>PPPoE</p>
IPv6	<p>Dual IPv4/IPv6 stack</p> <p>Multicast Listener Discovery (MLD) Snooping</p> <p>IPv6 neighbor discovery (ND)</p> <p>Path maximum transmission unit (MTU) discovery</p> <p>Internet Control Message Protocol (ICMP) version 6</p> <p>TCPv6/UDPv6</p>
IPv6 Applications	<p>DHCPv6 Client</p> <p>Ping6</p> <p>Tracert6</p> <p>Telnet(v6)</p> <p>IPv6 SNMP</p> <p>IPv6 SSH</p> <p>IPv6 SSL</p> <p>Http/Https</p> <p>IPv6 TFTP</p>
Management	<p>Web-based GUI and CLI management</p> <p>SNMP v1/v2c/v3, compatible with public MIBs and TP-LINK private MIBs</p> <p>RMON (1, 2, 3, 9 groups)</p> <p>DHCP/BOOTP Client, DHCP Snooping, DHCP Option82</p> <p>CPU Monitoring</p> <p>Port Mirroring</p> <p>Dual Image</p> <p>Time Setting: SNTP</p> <p>Integrated NDP/NTDP feature</p> <p>Firmware Upgrade: TFTP &amp; Web</p> <p>System Diagnose: VCT</p> <p>SYSLOG &amp; Public MIBS</p>
<b>OTHERS</b>	
Certification	CE, FCC, RoHS
Package Contents	Switch; Power Cord; Quick Installation Guide; Resource CD; Rackmount Kit; Rubber Feet
System Requirements	Microsoft® Windows® 10, 8, 7, Vista™, XP or MAC® OS, NetWare®, UNIX® or Linux.
Environment	<p>Operating Temperature: 0°C~40°C (32°F~104°F);</p> <p>Storage Temperature: -40°C~70°C (-40°F~158°F)</p> <p>Operating Humidity: 10%~90% non-condensing</p> <p>Storage Humidity: 5%~90% non-condensing</p>

