TP-LINK

TL-SG2218

Kod: 00-00000768 · Switchlər



TP-Link - TL-SG2218 (JetStream 16-Port Gigabit Smart Switch with 2 SFP Slots)

Texniki göstəricilər

16 Port
Port sayı

1000mb/s
Port sürəti

Ətraflı məlumat

HARDWARE FEATURES	
Interface	• 16× 10/100/1000 Mbps RJ45 Ports • 2× Gigabit SFP Slots
Fan Quantity	Fanless
Power Supply	100-240 V AC~50/60 Hz
Dimensions (W x D x H)	17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm)
Mounting	Rack Mountable
Max Power Consumption	12.3 W (220 V/50 Hz)
Max Heat Dissipation	41.97 BTU/hr

PERFORMANCE	
Switching Capacity	36 Gbps
Packet Forwarding Rate	26.8 Mpps
MAC Address Table	8K
Jumbo Frame	9 KB

SOFTWARE FEATURES	
Quality of Service	• 8 priority queues • 802.1p CoS/DSCP priority • Queue scheduling - SP (Strict Priority) - WRR (Weighted Round Robin) - SP+WRR • Bandwidth Control - Port/Flow based Rating Limiting • Smoother Performance • Action for Flows - Mirror (to supported interface) - Redirect (to supported interface) - Rate Limit - QoS Remark

SOFTWARE FEATURES	
L3 Features	• 16 IPv4/IPv6 Interfaces • Static Routing - 48 static routes • Static ARP • 316 ARP Entries • Proxy ARP • Gratuitous ARP • DHCP Server • DHCP Relay • DHCP L2 Relay
L2 and L2+ Features	• Link Aggregation - Static link aggregation - 802.3ad LACP - Up to 8 aggregation groups and up to 8 ports per group • Spanning Tree Protocol - 802.1d STP - 802.1w RSTP - 802.1s MSTP - STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect • Loopback Detection - Port-based - VLAN based • Flow Control - 802.3x Flow Control - HOL Blocking Prevention • Mirroring - Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Tx/Rx/Both

SOFTWARE FEATURES	
L2 Multicast	• Supports 511 (IPv4, IPv6) IGMP groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - IGMP Authentication • IGMP Authentication • MVR • MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config - Limited IP Multicast • Multicast Filtering: 256 profiles and 16 entries per profile
Advanced Features	• Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule
VLAN	• VLAN Group - Max 4K VLAN Groups • 802.1q Tagged VLAN • MAC VLAN: 12 Entries • Protocol VLAN: Protocol Template 16, Protocol VLAN 16 • GVRP • Voice VLAN

SOFTWARE FEATURES	
Access Control List	• Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL - Source IP - Destination IP - Fragment - IP Protocol - TCP Flag - TCP/UDP Port - DSCP/IP TOS - User Priority • Combined ACL • Packet Content ACL • IPv6 ACL • Policy - Mirroring - Redirect - Rate Limit - QoS Remark • ACL apply to Port/VLAN

SOFTWARE FEATURES	
Security	• IP-MAC-Port Binding - DHCP Snooping - ARP Inspection - IPv4 Source Guard • IPv6-MAC-Port Binding - DHCPv6 Snooping - ND Detection - IPv6 Source Guard • DoS Defend • Static/Dynamic Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio/pps control mode • IP/Port/MAC based access control • 802.1X - Port based authentication - Mac based authentication - VLAN Assignment - MAB - Guest VLAN - Support Radius authentication and accountability • AAA (including TACACS+) • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2

SOFTWARE FEATURES	
IPv6	• IPv6 Dual IPv4/IPv6 • Multicast Listener Discovery (MLD) Snooping • IPv6 ACL • IPv6 Interface • Static IPv6 Routing • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 • TCPv6/UDPv6 • IPv6 applications - DHCPv6 Client - Ping6 - Tracert6 - Telnet (v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP
MIBs	• MIB II (RFC1213) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • Support TP-Link private MIBs • RMON MIB(RFC1757, rmon 1,2,3,9)

MANAGEMENT	
Omada App	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.
Centralized Management	• Omada Cloud-Based Controller • Omada Hardware Controller (OC300) • Omada Hardware Controller (OC200) • Omada Software Controller
Cloud Access	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.

MANAGEMENT	
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller.
Management Features	• Web-based GUI • Command Line Interface (CLI) through telnet • SNMPv1/v2c/v3 • SNMP Trap/Inform • RMON (1,2,3,9 groups) • SDM Template • DHCP/BOOTP Client • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • SNTP • System Log

OTHERS	
Certification	CE, FCC, RoHS
Package Contents	• TL-SG2218 Switch • Power Cord • Quick Installation Guide • Rackmount Kit • Rubber Feet
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux.
Environment	• Operating Temperature: 0–40 ℃ (32–104 ℉); • Storage Temperature: -40–70 ℃ (-40–158 ℉) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing

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