TL-SG2218P

TP-Link TL-SG2218P Omada 18 portlu gigabit smart switch – 16 PoE+ portu, yüksək güc büdcəsi və inkişaf etmiş idarəetmə funksiyaları ilə IP kameralar, telefonlar və digər PoE cihazları üçün ideal şəbəkə həlli.

Model	**TL-SG2218P**
Brend	**Tp-Link**
Port sayı	**16 Port**
Tip	**Smart**
Port sürəti	**1000mb/s**

Specification

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x
Interface	• 16× 10/100/1000 Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) • 2× Gigabit SFP Slots
Network Media	• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m) • 1000BASE-X: MMF, SMF
Fan Quantity	1
Power Supply	100-240V AC, 50/60Hz
PoE Ports (RJ45)	• Standard: 802.3at/af compliant • PoE+ Ports: 16 Ports • PoE Power Budget: 150 W*
Dimensions (W x D x H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
Mounting	Rack Mountable
Max Power Consumption	• 181.4 W (110 V/60 Hz) (with 150 W PD connected) • 178.3 W (220 V/50 Hz) (with 150 W PD connected)
Max Heat Dissipation	• 619.06 BTU/hr (110 V/60 Hz) (with 150 W PD connected) • 608.52 BTU/hr (220 V/50 Hz) (with 150 W PD connected)
PERFORMANCE	

Switching Capacity	36 Gbps
Packet Forwarding Rate	26.78 Mpps
MAC Address Table	8K
Packet Buffer Memory	4.1 Mbit
Jumbo Frame	9 KB
SOFTWARE FEATURES	
Quality of Service	• 802.1p CoS/DSCP priority • 8 priority queues • Priority Schedule Mode - SP (Strict Priority) - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control - Port/Flow based Rating Limit • Smoother Performance • Storm Control - Multiple Control Modes(kbps/ratio) - Broadcast/Multicast/Unknown-Unicast Control
L2 and L2+ Features	• 32 IP Interfaces - Support IPv4/IPv6 Interface • Static Routing - 32 IPv4/IPv6 Static Routes • DHCP Server • DHCP Relay - DHCP Interface Relay - DHCP VLAN Relay • DHCP L2 Relay • Static ARP • Proxy ARP • Gratuitous ARP • 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/Protect, Root Protect • Loopback Detection • Flow Control - 802.3x Flow Control • Mirroring - Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Flow-Based - Ingress/Egress/Both • Device Link Detect Protocol (DLDP) • 802.1ab LLDP/ LLDP-MED
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 tag VLAN • MAC VLAN: 12 Entries • Protocol VLAN • GVRP • Voice VLAN

Access Control List	• Support up to 230 entries • Time-Range - Time Slice - Week Time-Range - Absolute Time-Range - Holiday • Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL - Source IP - Destination IP - IP Protocol - TCP Flag - TCP/UDP Source Port - TCP/UDP Destination Port - DSCP/IP TOS • IPv6 ACL • Combined ACL • Rule Operation - Permit/Deny • Policy Action - Mirror - Rate Limit - Redirect - QoS Remark • ACL Rules Binding - Port Binding - VLAN Binding • Actions for flows - Mirror (to supported interface) - Redirect (to supported interface) - Rate Limit - QoS Remark
Security	• AAA • 802.1X - Port based authentication - MAC (Host) based authentication - Authentication Method includes PAP/EAP-MD5 - MAB - Guest VLAN - Support Radius authentication and accountability • IP/IPv6-MAC Binding - 512 Binding Entries - DHCP Snooping - DHCPv6 Snooping - ARP Inspection - ND Detection • IP Source Guard - 253 Entries - Source IP+Source MAC • IPv6 Source Guard - 183 Entries - Source IPv6 Address+Source MAC • DoS Defend • Static/Dynamic/Permanent Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio control mode • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2 • IP/Port/MAC based access control

IPv6	• IPv6 Static Routing and ACL • IPv6 Dual IPv4/IPv6 • IPv6 Interface • Multicast Listener Discovery (MLD) Snooping • 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, through • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
Centralized Management	• Omada Cloud-Based Controller • Omada Hardware Controller OC300 • Omada Hardware Controller OC200 • Omada Software Controller
Cloud Access	Yes, through • Omada Cloud-Based Controller • OC300 • OC200 • Omada Software Controller
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-SG2218P • Power Cord • Installation Guide • Rackmount Kit • Rubber Feet
System Requirements	Microsoft® Windows® XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux.
Environment	• Operating Temperature: 0–50 ℃ (32–122 ℉); • Storage Temperature: -40–70 ℃ (-40–158 ℉) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing