Fonctionnalités et performances matérielles

Image du produit			
	Modèle	TL-SG2210MP	TL-SG2428P
Généralités	Interface	8 ports RJ45 10/100/1000Mbps 2 Slots Gigabit SFP	24 ports RJ45 10/100/1000Mbps 4 Slots Gigabit SFP
PoE	Norme PoE	802.3af/at	
	Ports PoE	8, jusqu'à 30W	24, jusqu'à 30W
	Budge PoEt	150 W	250 W
Performance	Capacité de commutation	20 Gbps	56 Gbps
	Packet Forwarding Rate	14.88 Mpps	41.66 Mpps
	Tableau d'adresses MAC	8K	
	Packet Buffer	4.1 Mbit	
	Nombre d'interfaces IP	1	16
	Nombre de routes statiques	--	32 (IPv4, IPv6)
	Jumbo Frame	9 KB	
Physique & Environment	Alimentation	100-240V AC, 50/60Hz	
	Puissance maximale de Consommation	12.2 W (110 V/60 Hz) (Sans PD connecté) 173.9 W (110 V/60 Hz) (Avec 150 W PD connecte)	32.1 W (110 V/60 Hz) (Sans PD connecté) 308.6 W (110 V/60 Hz) (avec 250 W PD connecté)
	Dissipation maximale de chaleur	41.63 BTU/h (110 V/60 Hz) (Sans PD connecté) 539.35 BTU/h (110 V/60 Hz) (avec 150 W PD connecte)	109.53 BTU/h (110 V/60 Hz) (no PD connecté) 1052.94 BTU/h (110 V/60 Hz) (avec 250 W PD connecte)
	Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in (294 x 180 x 44 mm)	17.3 × 8.7 × 1.7 in (440 × 220 × 44 mm)
	Quantité de ventilateur	1	2
	Installation	Rackmount/Desktop	Rackmount
	Température de fonctionnement	0 °C to 50 °C (32 °F to 122 °F)	
	Température de stockage	-40 °C to 70 °C (-40 °F to 158 °F)	
	Humidité de fonctionnement	10% to 90% RH, non-condensing	
	Humidité de stockage	5% to 90% RH, non-condensing	
	Certification	CE, FCC, RoHS	

Fonctionnalités logicielles

Modèle	TL-SG2008P / TL-SG2210MP	TL-SG2008 V3 / TL-SG2210P V3.20 / TL-SG2428P
Prise en charge de SDN	• Support Omada Hardware Controller (OC200/ OC300), Contrôleur logiciel, Cloud Contrôleur • Découverte automatique des périphériques • Batch Configuration • Batch Firmware Upgrading	• Surveillance intelligente du réseau • Avertissements d'événements anormaux • Configuration unifiée • Calendrier de redémarrage • ZTP (Zero-Touch Provisioning)*
Caractéristiques L2+	• DHCP Relay - DHCP VLAN Relay • DHCP L2 Relay	• 16 interfaces IP - 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
Caractéristiques L2	• 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
L2 Multicast	• 511 IPv4, IPv6 shared multicast groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - Static Group Config • Multicast VLAN Registration (MVR) • Multicast Filtering	• MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config • Limited IP Multicast (256 profiles and 16 entries per profile)
VLAN	• VLAN Group - Max. 4K VLAN Groups • 802.1Q tag VLAN • MAC VLAN	• Protocol VLAN • GVRP • Voice VLAN
QoS	• 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

* L'approvisionnement zéro touch est pris en charge lors de l'utilisation du contrôleur cloud Omada

ACL	• 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
Sécurité	• 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 Support	• IPv6 Dual IPv4/IPv6 • 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	• 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

Management	• 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
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)

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