



TL-SG2210MP

CARACTERÍSTICAS DE HARDWARE

Estándares y FIEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p

Interfaz • Puertos RJ45 8 × 10/100/1000 Mbps, todos compatibles con PoE + (negociación automática / MDI / MDIX automático)
• 2 ranuras SFP de 100/1000 Mbps

Medios de Re • 10BASE-T: cable UTP / STP categoría 3, 4, 5 (máximo 100 m)

- 100BASE-TX / 1000Base-T: cable UTP / STP categoría 5, 5e o superior (máximo 100 m)
- 100BASE-FX: MMF, SMF
- 1000BASE-X: MMF, SMF

Cantidad de V 1

Bloqueo de SeSi

Puertos PoE+ • Estándar: compatible con 802.3at / af
• Puertos PoE +: 8 puertos
• Fuente de alimentación: 150 W

Dimensiones 294 x 180 x 44 mm (11.6 x 7.1 x 1.7 in)

Montaje Montaje en rack

Consumo de F • 12.2 W (110 V / 60 Hz with no PD connected)
• 173.9 W (110 V / 60 Hz with 150 W PD connected)

Max Heat Diss • 41.63 BTU/h (with no PD connected)
• 539.35 BTU/h (with 150 W PD connected)

RENDIMIENTO

Capacidad de 20 Gbps

Tasa de Reenv 14.9 Mpps

Tabla de Direc 8K

Memoria del f 4.1 Mbit

Jumbo Frame 9 KB

CARACTERÍSTICAS DE SOFTWARE

Calidad de Ser • 802.1p CoS / DSCP prioridad
• 8 colas prioritarias

- Modo de programación prioritaria
 - SP (Prioridad estricta)
 - WRR (ponderado Round Robin)
- Configuración de peso de cola
- Control de Ancho de Banda
 - Límite de clasificación basado en puerto / flujo
- Rendimiento más fluido
- Acciones para flujos
 - Espejo (a la interfaz compatible)
 - Redirigir (a la interfaz compatible)
- Límite de tarifa
- Observación de QoS
- Control de tormentas
 - Modos de control múltiples (kbps / ratio / pps)
 - Control de difusión / multidifusión / desconocido-unidifusión

Característica: • DHCP Relay

- DHCP VLAN Relay
- DHCP L2 Relay
- 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

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- Multicast L2
- 512 IPv4,IPv6 shared multicast groups
 - IGMP Snooping
 - IGMP v1/v2/v3 Snooping
 - Fast Leave
 - IGMP Snooping Querier
 - IGMP Authentication
 - Static Group Config
 - MLD Snooping
 - MLD v1/v2 Snooping
 - Fast Leave
 - MLD Snooping Querier
 - Static Group Config
 - Multicast VLAN Registration
 - Multicast Filtering

- 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

- VLAN
- VLAN Group
 - Max. 4K VLAN Groups
 - 802.1Q tag VLAN

- MAC VLAN
- Protocol VLAN
- GVRP
- Voice VLAN

Lista de Contr

- 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

Seguridad

- AAA
- 802.1X
 - Port based authentication
 - MAC(Host) based authentication
 - Authentication Method includes PAP/EAP-MD5/EAP-TLS/EAP-TTLS/EAP-PEAP
 - 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/pps control mode
- Port Isolation
- Secure web management through HTTPS with SSLv3/TLS1.2
- Secure Command Line Interface (CLI) management with SSHv1/SSHv2
- IP/Port/MAC based access control

MIBs

- MIB II (RFC1213)
- Interface MIB (RFC2233)
- Ethernet Interface MIB (RFC1643)
- Bridge MIB (RFC1493)
- P/Q-Bridge MIB (RFC2674)
- RMON MIB (RFC2819)
- RMON2 MIB (RFC2021)
- Radius Accounting Client MIB (RFC2620)
- Radius Authentication Client MIB (RFC2618)
- Remote Ping, Traceroute MIB (RFC2925)
- Support TP-Link private MIBs

GESTIÓN

Omada App Si

- Centralized Management
- Omada Cloud-Based Controller
 - Omada Hardware Controller (OC300)
 - Omada Hardware Controller (OC200)
 - Omada Software Controller

Cloud Access Management Features Sí (a través de OC300, OC200, Omada Cloud-Based Controller o Omada Software Controller)

- Gestión de GUI y CLI basada en web
- SNMPv1 / v2c / v3
- Captura / informe SNMP
- RMON (grupos 1,2,3,9)
- Plantilla SDM
- Cliente DHCP / BOOTP
- Imagen dual, configuración dual
- Monitorización de la CPU
- Diagnóstico de cable

- EEE
- Registro del sistema
- 802.1ab LLDP / LLDP-MED

OTROS

Certificación: CE, FCC, RoHS

Contenido del • TL-SG2210MP

- Power Cord
- Installation Guide
- Rackmount Kit
- Rubber Feet

Requisitos del Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ o Windows 7/8/10, MAC® OS, NetW

Factores Amb Temperatura de Funcionamiento: 0°C~40°C (32°F~104°F)

Temperatura de Almacenamiento: -40°C~70°C (-40°F~158°F)

Humedad de Funcionamiento: 10%~90% sin condensación

Humedad de Almacenamiento: 5%~90% sin condensación

roller)

are®, UNIX® o Linux.