NET-TL-SG2210MP

TP-Link TL-SG2210MP JetStream 10-Port Gigabit Smart Switch with 8-Port PoE+

Product Overview

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Specifications

Features:

- 150 W PoE Budget: 8x 802.3at/af-compliant PoE+ ports with a total power supply of 150 W*.
- Full Gigabit Ports: 8x gigabit PoE+ ports and 2x gigabit SFP Slots provide high-speed connections.
- Integrated into Omada SDN: Zero-Touch Provisioning (ZTP)**, Centralized Cloud Management, and Intelligent Monitoring.
- Centralized Management: Cloud access and Omada app for ultra convenience and easy management.
- Robust Security Strategies: IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm Control, DHCP Snooping, 802.1X, Radius Authentication, and more.
- Optimize Voice and Video Applications: L2/L3/L4 QoS and IGMP snooping.

Centralized Cloud Management
Omada SDN Platform Integration

Advanced L2 Features
L2/L3/L4 QoS, ACL, IGMP Snooping and More

Abundant Security Strategies
LAN Area Investment Protection

PoE+ Output
8 PoE+ Ports with Total 150 W Power Budget*

Software Defined Networking (SDN) with Cloud Access
Omada's Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network-all controlled from a single interface. Seamless wireless and wired connections are provided, ideal for use in hospitality, education, retail, offices, and more.

Specifications:

HARDWARE FEATURES	
Standards and Protocols	IEEE 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
Interface	8x 10/100/1000 Mbps RJ45 Ports, all supporting PoE+ (Auto-Negotiation/Auto MDI/MDIX)
	2x 100/1000 Mbps SFP Slots
Network Media	10BASE-T: UTP/STP category 3, 4, 5 cable (maximum 100m)
	100BASE-TX/1000Base-T: UTP/STP category 5, 5e or above cable (maximum 100m)
	100BASE-FX: MMF, SMF
	1000BASE-X: MMF, SMF
Fan Quantity	1
Physical Security Lock	Yes
PoE+ Ports(RJ45)	Standard: 802.3at/af compliant
	PoE+ Ports: 8 Ports
	Power Supply: 150 W
Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in (294 x 180 x 44 mm)
Mounting	Rack Mountable
Max Power Consumption	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 Dissipation	41.63 BTU/h (with no PD connected)
	539.35 BTU/h (with 150 W PD connected)
PERFORMANCE	
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.9 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
	Actions for flows
	- Mirror(to supported interface)
	- Redirect(to supported interface)
	- Rate Limit
	- QoS Remark
	Storm Control
	- Multiple Control Modes(kbps/ratio/pps)
	- Broadcast/Multicast/Unknown-Unicast Control

L2 and L2+ Features	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

L2 Features	Link Aggregation
	- static link aggregation
	- Up to 8 aggregation groups and up to 8 ports per group
	- 802.3ad LACP
	Spanning Tree Protocol
	- 802.1D STP
	- 802.1w RSTP
	- 802.1s MSTP
	- STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect
	Loopback Detection
	Flow Control
	- 802.3x Flow Control
	Mirroring
	- Port Mirroring
	- One-to-One
	- Many-to-One
	- Flow-Based
	- Ingress/Egress/Both
	- CPU Mirroring
	Device Link Detect Protocol(DLDP)
L2 Multicast	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

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

Security	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 Gurad
	- 253 Entries
	- Source IP+Source MAC
	IPv6 Source Gurad
	- 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
MANAGEMENT	
Omada App	Yes
Centralized Management	Omada Cloud-Based Controller
	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller
Cloud Access	Yes (Through OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller)
Management Features	Web-based GUI and CLI management
	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
	System Log
	802.1ab LLDP/ LLDP-MED
OTHERS	
Certification	CE, FCC, RoHS
Package Contents	TL-SG2210MP
	Power Cord
	Installation Guide
	Rackmount Kit
	Rubber Feet

System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista or Windows 7/8/10, MAC OS, NetWare, UNIX or Linux.
Environment	Operating Temperature: 0-50 degreesC (32-122 degreesF);
	Storage Temperature: -40-70 degreesC (-40-158 degreesF)
	Operating Humidity: 10-90% RH non-condensing
	Storage Humidity: 5-90% RH non-condensing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/NET-TL-SG2210MP-TP-Link-TL-SG2210MP-JetStream-10-Port-Gigabit-Smart-Switch-with-8-p-250019.php

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