

TP-Link Omada SX3832MPP V1 (SX3832MPP)

TP-Link Omada SX3832MPP V1 - Switch - L2+ - Managed - 24 x 100/1000/2.5G/5G/10GBase-T (PoE++) + 8 x 10Gb Ethernet SFP+ - rack-mountable - PoE++ (770 W)



The TP-Link Omada SX3832MPP V1 is a Layer 2+ switch designed to meet the demands of modern networking environments. With a switching capacity of 640 Gbps and a packet forwarding rate of 240 Mpps, this switch ensures high-speed data transmission across multiple devices. It features a PoE budget of 770 W, allowing it to support 24 x 100/1000/2.5G/5G/10GBase-T PoE++ ports and 8 x 10Gb Ethernet SFP+ ports, delivering flexibility for diverse connectivity needs. Equipped with advanced features such as VLAN support, port security, and IPv6 interfaces, the SX3832MPP V1 is perfect for managing complex network setups efficiently. Built-in fans maintain optimal operating conditions while a wide operational temperature range from -5°C to 45°C ensures reliable performance in various environments. The switch's server-grade design includes a metal housing for durability and compliance with multiple standards. With 32 MB of flash memory and 512 MB of RAM, this switch is prepared for heavy workloads, facilitating seamless management and monitoring through remote protocols. Ideal for businesses seeking a dependable networking solution, the TP-Link Omada SX3832MPP V1 enhances control and efficiency.

Key Selling Points

- 640 Gbps switching capacity for high-speed performance
- 770 W PoE budget supports multiple devices
- Support for VLAN, IGMP snooping, and port security
- Robust build with metal housing for durability
- Remote management through various protocols

Product Features

- Robust switching capacity**
The TP-Link Omada SX3832MPP V1 offers a switching capacity of 640 Gbps, ensuring smooth transmissions even under heavy workloads.
- Flexible power over Ethernet**
With a PoE budget of 770 W and support for 24 PoE++ ports, this switch facilitates seamless device connectivity and power management.
- Enhanced security features**
Features such as port security, DHCP snooping, and an array of authentication methods help safeguard the network from unauthorized access.
- Multiple remote management protocols**
The switch supports a wide variety of protocols including SNMP, Telnet, and SSH, which simplifies network monitoring and management.
- Robust environmental resistance**
Designed to operate within a temperature range of -5°C to 45°C and with high humidity capabilities, this switch is built for resilience.

Main specifications

Product Description	TP-Link Omada SX3832MPP V1 - switch - 32 ports - Managed - rack-mountable
Device Type	Switch - 32 ports - L2+ - Managed
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	24 x 100/1000/2.5G/5G/10GBase-T (PoE++) + 8 x 10Gb Ethernet SFP+
Power Over Ethernet (PoE)	PoE++
PoE Budget	770 W
Performance	Switching capacity: 640 Gbps Packet forwarding rate: 240 Mpps Packet buffer size: 24 Mbit
Capacity	IPv4 interfaces: 128 IPv6 interfaces: 128 Static routes: 48 Static ARP entries: 128 ARP entries: 510 Maximum aggregation groups: 8 Ports per aggregation group: 8 Layer 2 multicast filtering profiles: 256 Layer 2 multicast filtering entries per profile: 16 IGMP groups: 4000 VLAN groups: 4000 MAC VLAN address entries: 30 VLAN templates: 16 Priority queues: 8 IP MAC port binding entries: 512 IPv6 MAC port binding entries: 512 Port security entries: 64
MAC Address Table Size	32K entries
Jumbo Frame Support	9KB
Routing Protocol	Static IP routing, STP, RSTP, MSTP, IGMP, IGMPv2, IGMPv3, MLD, MLDv2, L2PT, PPPoE
Remote Management Protocol	CLI, RMON, OAM, DHCP, TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, SNMP 1, SNMP 2c, SNMP 3, RMON 1, RMON 2, RMON 3, RMON 9, BOOTP, ICMP, MIB, Syslog, NTP, TFTP, SSH, Telnet, SSH-2, RSTP

Features	Cloud managed, VLAN support, ACL support, QoS, IGMP snooping, DDM, ERPS, metal housing, SDN Architecture, ZTP, flow control, fast PoE, perpetual PoE, store and forward, 6KV Surge protection, firmware upgradable, automatic device discovery, schedule reboot, ARP support, proxy ARP, DHCP server, DHCP relay, Link Aggregation, BPDU Filter, loop protection, BPDU protection, loopback detection, port mirroring, fast leave, MVR, MLD snooping, tagged VLAN, GVRP, VPN support, Voice VLAN, CoS, DSCP support, SP, WRR, bandwidth control, rate limit, MAC and IP-based ACLs support, IPMB, DHCP snooping, ARP inspection, DHCPv6 snooping, ND detection, ND snooping, IP source guard, DoS attack prevention, DHCP filtering, Port Security, Broadcast Storm Control, Multicast Storm Control, Unicast Storm Control, Unknown Storm Control, 802.1x authentication, MAB, Guest VLAN, AAA, port isolation, DLDP support, sFlow, LLDP-MED, Cable Diagnostics Function, SNTP support, system log, EEE, path MTU discovery
Compliant Standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3an, IEEE 802.3z, IEEE 802.3bz, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1D, IEEE 802.1s, IEEE 802.1w, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3az
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44 cm x 33 cm x 4.4 cm
System Requirements	Microsoft Windows 98SE/2000/NT/XP/Vista/7/8/8.1/10/11, Apple MacOS, Novell NetWare, UNIX, Linux

Extended specification

General

Device Type	Switch - 32 ports - L2+ - Managed
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	24 x 100/1000/2.5G/5G/10GBase-T (PoE++) + 8 x 10Gb Ethernet SFP+
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MAC Address Table Size	32K entries
Jumbo Frame Support	9KB
Routing Protocol	Static IP routing, STP, RSTP, MSTP, IGMP, IGMPv2, IGMPv3, MLD, MLDv2, L2PT, PPPoE
Remote Management Protocol	CLI, RMON, OAM, DHCP, TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, SNMP 1, SNMP 2c, SNMP 3, RMON 1, RMON 2, RMON 3, RMON 9, BOOTP, ICMP, MIB, Syslog, NTP, TFTP, SSH, Telnet, SSH-2, RSTP
Encryption Algorithm	SSL 3.0, TLS 1.2
Authentication Method	RADIUS, TACACS+, Secure Shell (SSH), Secure Shell v.2 (SSH2)
Features	Cloud managed, VLAN support, ACL support, QoS, IGMP snooping, DDM, ERPS, metal housing, SDN Architecture, ZTP, flow control, fast PoE, perpetual PoE, store and forward, 6KV Surge protection, firmware upgradable, automatic device discovery, schedule reboot, ARP support, proxy ARP, DHCP server, DHCP relay, Link Aggregation, BPDU Filter, loop protection, BPDU protection, loopback detection, port mirroring, fast leave, MVR, MLD snooping, tagged VLAN, GVRP, VPN support, Voice VLAN, CoS, DSCP support, SP, WRR, bandwidth control, rate limit, MAC and IP-based ACLs support, IPMB, DHCP snooping, ARP inspection, DHCPv6 snooping, ND detection, ND snooping, IP source guard, DoS attack prevention, DHCP filtering, Port Security, Broadcast Storm Control, Multicast Storm Control, Unicast Storm Control, Unknown Storm Control, 802.1x authentication, MAB, Guest VLAN, AAA, port isolation, DLDP support, sFlow, LLDP-MED, Cable Diagnostics Function, SNTP support, system log, EEE, path MTU discovery
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RAM	512 MB
Flash Memory	32 MB
Built-in Devices	4 x fans
Status Indicators	Power, system, PoE max, link/activity, fan

Expansion / Connectivity

Interfaces	24 x 100/1000/2.5G/5G/10GBase-T RJ-45 PoE++ - 90 W 8 x 1/10GBase-X SFP+ 1 x console RJ-45 1 x console USB Type-C
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Miscellaneous

Included Accessories	Rubber feet
Cables Included	1 x console cable
Rack Mounting Kit	Included
MTBF	315,002 hours
Compliant Standards	FCC, RoHS

Power

Power Device	Internal power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Consumption Stand by	57.7 watt

Software / System Requirements

Software Included	Omada Controller
OS Required	Microsoft Windows 98SE/2000/NT/XP/Vista/7/8/8.1/10/11, Apple MacOS, Novell NetWare, UNIX, Linux

Environmental Parameters

Min Operating Temperature	-5 °C
Max Operating Temperature	45 °C
Humidity Range Operating	10 - 90% RH (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% RH (non-condensing)

Dimensions & Weight

Width	44 cm
Depth	33 cm
Height	4.4 cm

What's in the box

TP-Link Omada SX3832MPP V1
Rubber feet
Console cable
Rack mounting kit

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