

TP-Link Omada 16-Port 2.5G and 2-Port 10GE SFP+ L2+ Managed Switch with 8-Port PoE+

Model: SG3218XP-M2

Manufacturer: TP-LINK

EAN: 4897098689721

Product Code: 1578233

R13,599

Ultrafast 2.5G PoE+ Managed Switch with 10G Uplink for Futuristic Network

2.5G Ports for WiFi 7/6E/6

16× 2.5 Gbps Ports Unlock the Full Potential of WiFi 7/6E/6 APs

10G Lightning-Fast Uplink Connection

2× 10 Gbps SFP+ Slots for High-Bandwidth Connectivity

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250W PoE Budget

8× PoE+ Ports with Total 250 W Power Budget

Centralized Cloud Management

SDN Solutions Integration for a Highly Efficient Network

Unlock the Full Potential of WiFi 7/6E/6 with Multi-Gigabit PoE+ Ports

Featuring 8x PoE+ 2.5G ports, the switch is capable of future network expansion and deployment, providing sufficient bandwidth for incoming WiFi 7/6E/6 APs. Designed to use a single Ethernet cable for both data and power transmission, it supports up to 250W total PoE power budget* and flexible installation to fit in various application scenarios.

Enterprise Switch with 10G Uplink

2× 10 Gbps SFP+ slots provide non-blocking switching performance and ultra-low latency, so reliable and lightning-fast connections to server and other switches are easily built.

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.

Advanced L3 Features***

An abundance of L2+ and L3 features are supported to help build a highly scalable and robust network, providing a reliable and efficient solution for enterprises, campuses and ISPs.

Secure Networking

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Security features include IP-MAC-Port-VID Binding, Port Security, Storm Control and DHCP Snooping to defend against a range of network threats. An integrated list of common DoS attacks is available, making it easier than ever to prevent them. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports or VLAN ID. Users' network access can be controlled via 802.1X authentication, which works with a RADIUS/Tacacs+ server to grant access only when valid user credentials are provided.

Enterprise Level Features

A complete lineup of L2+ features are supported, including 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, and 802.3x Flow Control. Advanced IGMP Snooping ensures the switch intelligently forwards multicast streams to only the appropriate subscribers, cutting out unnecessary traffic, while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Static Routing is a simple way of segmenting the network and internally routs traffic through the switch for improved efficiency.

Advanced QoS

Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS (Quality of Service), voice and video services remain smooth, even when bandwidth is in short supply.

ISP Features

QinQ, L2PT PPPoE ID Insertion and IGMP authentication features are provided, developed with service providers in mind. 802.3ah OAM and Device Link Detection Protocol (DLDP) offer easy monitoring and troubleshooting of Ethernet links.

IPv6 Support

IPv6 functions such as Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor Discover guarantee your network is ready for the Next Generation Network (NGN) without upgrading your hardware.

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