TP-Link JetStream TL-SG3210XHP-M2(TL-SG3210XHP-M2)
TP-Link JetStream TL-SG3210XHP-M2 - V1 - switch - Managed - 8 x 10/100/1000 + 2 x SFP+ - rack-mountable - PoE+ (240 W)

Key Selling Points

Unlock the full potential of Wi-Fi 6 with Multi-Gigabit PoE+ ports
Enterprise switch with 10G uplink
Software-Defined Networking (SDN) with Cloud Access
Advanced L3 features
Secure networking
Enterprise level features
Advanced QoS
ISP features
IPv6 support

Product Features

Unlock the full potential of Wi-Fi 6 with Multi-Gigabit PoE+ ports

Featuring 8x 2.5 Gbps PoE+ ports,the switch is capable of future network expansion and deployment,providing sufficient bandwidth for incoming Wi-Fi 6 APs. Designed to use a single Ethernet cable for both data and power transmission,it supports up to 240 W total PoE power budget and flexible installation to fit in various application scenarios.

Enterprise switch with 10G uplink

2x 10 Gbps SFP+ slots provide non-blocking switching performance and ultra-low latency,so reliable and lightning-fast connections to servers 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

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

sFlow,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.

Main Specifications

Product Description	TP-Link JetStream TL-SG3210XHP-M2 - V1 - switch - 10 ports - Managed - rack-mountable
Device Type	Switch - 10 ports - Managed
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Ports	8 x 10/100/1000 + 2 x SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	240 W
Performance	Switching capacity: 80 Gbps ¦Forwarding performance: 59.52 Mpps
MAC Address Table Size	16K entries
Jumbo Frame Support	9KB
Routing Protocol	IGMPv2,IGMP,static IP routing,IGMPv3,MLDv2,MLD
Remote Management Protocol	SNMP 1,RMON 1,RMON 2,RMON 3,RMON 9,SNMP 3,SNMP 2c,HTTPS,DHCP
Features	Flow control,IGMP snooping,port mirroring,Broadcast Storm Control,Multicast Storm Control,Unicast Storm Control,Spanning Tree Protocol (STP) support,Multiple Spanning Tree Protocol (MSTP) support,DHCP snooping,Trivial File Transfer Protocol (TFTP) support,Access Control List (ACL) support,Quality of Service (QoS),DHCP server,MLD snooping,Cable Diagnostics Function,bandwidth control,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Multicast VLAN Registration (MVR),Neighbor Discovery Protocol (NDP),port isolation,Class of Service (CoS),Strict Priority (SP),tagged VLAN,Generic VLAN Registration Protocol (GVRP),Denial of Service (DoS),DiffServ Code Point (DSCP) support,2 fans,MAC and IP-based ACLs support,system log,ARP inspection,Internet Control Message Protocol (ICMP),Link Aggregation,dual image support,rate limit,fast leave,Authentication,Authorization and Accounting (AAA),IGMP querier,Voice VLAN,LLDP-MED,Private VLAN,Guest VLAN,VLAN group,proxy ARP,Zero-touch provisioning (ZTP),BPDU Filter,Weighted Round Robin (WRR),Head-of-line (HOL) Blocking Prevention,loopback detection,Advanced QoS,MAC Access Bypass (MAB),Rapid Reconfiguration of Spanning Tree (RSTP)
Compliant Standards	IEEE 802.1D,IEEE 802.1Q,IEEE 802.1p,IEEE 802.3af,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1x,IEEE 802.1s,IEEE 802.3at
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	44 cm x 18 cm x 4.4 cm

Extended Specification

General

Remote Management Protocol	SNMP 1,RMON 1,RMON 2,RMON 3,RMON 9,SNMP 3,SNMP 2c,HTTPS,DHCP
Encryption Algorithm	SSL 3.0,TLS 1.2
Authentication Method	Secure Shell (SSH),TACACS+,Secure Shell v.2 (SSH2)
Features	Flow control,IGMP snooping,port mirroring,Broadcast Storm Control,Multicast Storm Control,Unicast Storm Control,Spanning Tree Protocol (STP) support,Multiple Spanning Tree Protocol (MSTP) support,DHCP snooping,Trivial File Transfer Protocol (TFTP) support,Access Control List (ACL) support,Quality of Service (QoS),DHCP server,MLD snooping,Cable Diagnostics Function,bandwidth control,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Multicast VLAN Registration (MVR),Neighbor Discovery Protocol (NDP),port isolation,Class of Service (CoS),Strict Priority (SP),tagged VLAN,Generic VLAN Registration Protocol (GVRP),Denial of Service (DoS),DiffServ Code Point (DSCP) support,2 fans,MAC and IP-based ACLs support,system log,ARP inspection,Internet Control Message Protocol (ICMP),Link Aggregation,dual image support,rate limit,fast leave,Authentication,Authorization and Accounting (AAA),IGMP querier,Voice VLAN,LLDP-MED,Private VLAN,Guest VLAN,VLAN group,proxy ARP,Zero-touch provisioning (ZTP),BPDU Filter,Weighted Round Robin (WRR),Head-of-line (HOL) Blocking Prevention,loopback detection,Advanced QoS,MAC Access Bypass (MAB),Rapid Reconfiguration of Spanning Tree (RSTP)
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Expansion / Connectivity

Interfaces	8 x 100/1000/2.5G RJ-45 2 x 10Gbit LAN SFP+ uplink 1 x console RJ-45 1 x console (micro-USB)

Power

Power Device	Internal power supply
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	17.24 Watt

Miscellaneous

Included Accessories	Rubber feet
Rack Mounting Kit	Included
Compliant Standards	FCC,RoHS

Dimensions &Weight

Width	44 cm
Depth	18 cm
Height	4.4 cm

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	10 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

What's in the box

TP-Link JetStream TL-SG3210XHP-M2 V1
Rubber feet
Rack mounting kit