

TP-Link JetStream TL-SG3452XP V1(TL-SG3452XP)

TP-Link JetStream TL-SG3452XP V1 - Switch - L2+ - Managed - 48 x 10/100/1000 (PoE+) + 4 x 10 Gigabit SFP+ - rack-mountable - PoE+ (500 W)



## Key Selling Points

- 10G lightning-fast uplink
- PoE+ output with 500 W power budget
- Centralized cloud management
- Abundant L2 and L2+ features
- Robust security strategies
- Standalone management

## Product Features

### 10G lightning-fast uplink

Enjoy high-bandwidth connectivity and non-blocking switching capacity with four 10 Gbps SFP+ slots.

### PoE+ output with 500 W power budget

Design your optimal network layout with forty-eight 802.3af/at PoE+ gigabit ports.

### Centralized cloud management

Integrates into Omada SDN for cloud access and remote management.

### Abundant L2 and L2+ features

It supports a complete lineup of L2 and L2+ features, including Static Routing, enterprise-level QoS, and IGMP Snooping.

### Robust security strategies

Helps protect LAN area investment with integrated IP-MAC-Port Binding, ACL, Port Security, and 802.1X Authentication.

### Standalone management

Web, CLI (Console Port, Telnet, SSH), SNMP, RMON, and Dual Image bring powerful management capabilities.

## Main Specifications

Product Description	TP-Link JetStream TL-SG3452XP V1 - switch - 52 ports - Managed - rack-mountable
Device Type	Switch - 52 ports - L2+ - Managed
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	500 W
Performance	Switching capacity: 176 Gbps   Packet forwarding rate: 130.94 Mpps
Capacity	Packet buffer size: 12 Mbit   IP interfaces: 16   IPv4 routes (static): 48   IPv6 routes (static): 48   VLAN groups: 4000   Priority queues: 8
MAC Address Table Size	16K entries
Jumbo Frame Support	9KB
Routing Protocol	IGMPv2, IGMP, IGMPv3, static IPv4 routing, static IPv6 routing, MLDv2, MLD, MSTP, RSTP, STP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, CLI, OAM, ICMP, DHCP, RSTP

Features	Flow control,VPN support,BOOTP support,ARP support,IGMP snooping,Syslog support,DoS attack prevention,port mirroring,store and forward,Broadcast Storm Control,IPv6 support,Multicast Storm Control,Unicast Storm Control,firmware upgradable,SNTP support,sFlow,DHCP snooping,Access Control List (ACL) support,Quality of Service (QoS),DHCP server,MLD snooping,Cable Diagnostics Function,bandwidth control,Device Link Detection Protocol (DLDP) support,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Port Security,Multicast VLAN Registration (MVR),Neighbor Discovery Protocol (NDP),port isolation,Class of Service (CoS),Strict Priority (SP),Generic VLAN Registration Protocol (GVRP),802.1x authentication,cloud managed,DiffServ Code Point (DSCP) support,3 fans,IP source guard,ARP inspection,Bridge protocol data unit (BPDU),dual image support,Software Defined Networking (SDN),Authentication,Authorization and Accounting (AAA),LLDP-MED,VLAN group,guest access,Zero-touch provisioning (ZTP),Energy-Efficient Ethernet (EEE),BPDU Filter,Weighted Round Robin (WRR),Head-of-line (HOL) Blocking Prevention,loopback detection,Advanced QoS,MAC Access Bypass (MAB),security slot (Kensington security lock compatible)
Compliant Standards	IEEE 802.3u,IEEE 802.3i,IEEE 802.3z,IEEE 802.1D,IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3af,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1x,IEEE 802.3ae,IEEE 802.1s,IEEE 802.3ah,IEEE 802.1ab (LLDP),IEEE 802.3at
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44 cm x 33 cm x 4.4 cm
System Requirements	UNIX,Apple MacOS,Novell NetWare,Linux,Microsoft Windows 98SE/2000/NT/XP/Vista /7/8/10,Windows 11

## Extended Specification

### General

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MAC Address Table Size	16K entries
Jumbo Frame Support	9KB
Routing Protocol	IGMPv2,IGMP,IGMPv3,static IPv4 routing,static IPv6 routing,MLDv2,MLD,MSTP,RSTP,STP
Remote Management Protocol	SNMP 1,RMON 1,RMON 2,SNMP,RMON 3,RMON 9,Telnet,SNMP 3,SNMP 2c,HTTP,HTTPS,TFTP,SSH,CLI,OAM,ICMP,DHCP,RSTP
Encryption Algorithm	SSL,SSL 3.0,TLS 1.2
Authentication Method	Secure Shell (SSH),RADIUS,TACACS+,Secure Shell v.2 (SSH2)
Features	Flow control,VPN support,BOOTP support,ARP support,IGMP snooping,Syslog support,DoS attack prevention,port mirroring,store and forward,Broadcast Storm Control,IPv6 support,Multicast Storm Control,Unicast Storm Control,firmware upgradable,SNTP support,sFlow,DHCP snooping,Access Control List (ACL) support,Quality of Service (QoS),DHCP server,MLD snooping,Cable Diagnostics Function,bandwidth control,Device Link Detection Protocol (DLDP) support,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),Port

Security, Multicast VLAN Registration (MVR), Neighbor Discovery Protocol (NDP), port isolation, Class of Service (CoS), Strict Priority (SP), Generic VLAN Registration Protocol (GVRP), 802.1x authentication, cloud managed, DiffServ Code Point (DSCP) support, 3 fans, IP source guard, ARP inspection, Bridge protocol data unit (BPDU), dual image support, Software Defined Networking (SDN), Authentication, Authorization and Accounting (AAA), LLDP-MED, VLAN group, guest access, Zero-touch provisioning (ZTP), Energy-Efficient Ethernet (EEE), BPDU Filter, Weighted Round Robin (WRR), Head-of-line (HOL) Blocking Prevention, loopback detection, Advanced QoS, MAC Access Bypass (MAB), security slot (Kensington security lock compatible)

#### Compliant Standards

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#### RAM

512 MB

#### Flash Memory

32 MB

#### Status Indicators

Status

### Expansion / Connectivity

#### Interfaces

48 x 1000Base-T RJ-45 PoE+ - 30 W  
4 x 10GBase-X SFP+  
1 x console RJ-45  
1 x micro-USB console

### Power

#### Power Device

Internal power supply

#### Voltage Required

AC 100-240 V (50/60 Hz)

#### Power Consumption Stand by

28.61 Watt

### Miscellaneous

#### Included Accessories

Rubber feet

#### Rack Mounting Kit

Included

#### Compliant Standards

FCC, RoHS

### Software / System Requirements

#### OS Required

UNIX, Apple MacOS, Novell NetWare, Linux, Microsoft Windows 98SE/2000/NT/XP/Vista/7/8/10, Windows 11

### Dimensions & Weight

#### Width

44 cm

#### Depth

33 cm

#### Height

4.4 cm

### Environmental Parameters

#### Min Operating Temperature

0 °C

#### Max Operating Temperature

40 °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)

Product data is provided by CNET,we do not warrant the accuracy and completeness of the material contained in this data sheet