

TP-Link JetStream TL-SG3452P V1 (TL-SG3452P)

TP-Link JetStream TL-SG3452P V1 - Switch - Managed - 48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP - rack-mountable - PoE+ (384 W)



## Key Selling Points

48 802.3at/af-compliant PoE+ ports with a total power supply of 384 W

48 gigabit RJ45 ports and four 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

Static routing: helps route internal traffic for more efficient use of network resources

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

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

## Main Specifications

Product Description	TP-Link JetStream TL-SG3452P V1 - switch - 52 ports - Managed - rack-mountable
Device Type	Switch - 52 ports - Managed
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP
Power Over Ethernet (PoE)	PoE+
PoE Budget	384 W
Performance	Switching capacity: 104 Gbps   Packet forwarding rate: 77.38 Mpps
Capacity	IP interfaces: 16   IPv4 routes (static): 48   IPv6 routes (static): 48   Packet buffer size: 12 Mbit
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, SSH-2, CLI, OAM, ICMP, DHCP, RSTP, TACACS+, RADIUS
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 802.1D, 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 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3at
Dimensions (WxDxH)	44 cm x 33 cm x 4.4 cm

## Extended Specification

### General

Device Type	Switch - 52 ports - Managed
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP
Power Over Ethernet (PoE)	PoE+
PoE Budget	384 W
Performance	Switching capacity: 104 Gbps Packet forwarding rate: 77.38 Mpps
Capacity	IP interfaces: 16 IPv4 routes (static): 48 IPv6 routes (static): 48 Packet buffer size: 12 Mbit
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, SSH-2, CLI, OAM, ICMP, DHCP, RSTP, TACACS+, RADIUS
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	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 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3at
RAM	256 MB
Flash Memory	32 MB
Status Indicators	Status

## Expansion / Connectivity

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

## Power

Power Device	Internal power supply
Power Consumption Operational	463.8 Watt
Power Consumption Stand by	27.2 Watt

## Miscellaneous

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

## 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)

## What's in the box

TP-Link JetStream TL-SG3452P V1  
Rubber feet  
Rack mounting kit

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