



TL-SG3452 End of Sale

JetStream 48-Port Gigabit L2 Managed Switch with 4 SFP Slots (Newer Version Available: [SG3452](#))

What is Omada Cloud SDN?

HARDWARE FEATURES

Interface	<ul style="list-style-type: none"> • 48× 10/100/1000 Mbps RJ45 Ports • 4× Gigabit SFP Slots • 1× RJ45 Console Port • 1× Micro-USB Console Port
Fan Quantity	Fanless
Power Supply	100-240 V AC~50/60 Hz
Dimensions (W x D x H)	17.3×8.7×1.7 in. (440×220×44 mm)
Mounting	Rack Mountable
Max. Power Consumption	32.8 W
Max. Heat Dissipation	111.9 BTU/h

PERFORMANCE

Packet Buffer Memory	12 Mbit
Jumbo Frame	9 KB
Switching Capacity	104 Gbps
Packet Forwarding Rate	77.4 Mpps
MAC Address Table	16 K

SOFTWARE FEATURES

Quality of Service	<ul style="list-style-type: none"> • 8 priority queues • 802.1p CoS/DSCP priority • Queue scheduling <ul style="list-style-type: none"> - SP (Strict Priority) - WRR (Weighted Round Robin) - SP+WRR • Bandwidth Control
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SOFTWARE FEATURES

	<ul style="list-style-type: none"> - Port/Flow based Rating Limiting • Smoother Performance • Action for Flows - Mirror (to supported interface) - Redirect (to supported interface) - Rate Limit - QoS Remark
L3 Features	<ul style="list-style-type: none"> • 16 IPv4/IPv6 Interfaces • Static Routing - 48 static routes • Static ARP • 316 ARP Entries • Proxy ARP • Gratuitous ARP • DHCP Server • DHCP Relay • DHCP L2 Relay
L2 and L2+ Features	<ul style="list-style-type: none"> • Link Aggregation - Static link aggregation - 802.3ad LACP - Up to 8 aggregation groups and up to 8 ports per group • Spanning Tree Protocol - 802.1d STP - 802.1w RSTP - 802.1s MSTP - STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect • Loopback Detection - Port-based - VLAN based • Flow Control - 802.3x Flow Control - HOL Blocking Prevention • Mirroring - Port Mirroring - CPU Mirroring - One-to-One - Many-to-One - Tx/Rx/Both
L2 Multicast	<ul style="list-style-type: none"> • Supports 511 (IPv4, IPv6) IGMP groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - IGMP Authentication • IGMP Authentication • MVR • MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config - Limited IP Multicast • Multicast Filtering: 256 profiles and 16 entries per profile
Advanced Features	<ul style="list-style-type: none"> • Support Omada Hardware Controller (OC200/OC300), Software Controller, Cloud-Based Controller

SOFTWARE FEATURES

	<ul style="list-style-type: none"> • Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Intelligent Network Monitoring • Abnormal Event Warnings • Unified Configuration • Reboot Schedule • ZTP (Zero-Touch Provisioning)*
VLAN	<ul style="list-style-type: none"> • VLAN Group - Max 4K VLAN Groups • 802.1q Tagged VLAN • MAC VLAN: 12 Entries • Protocol VLAN: Protocol Template 16, Protocol VLAN 16 • GVRP • VLAN VPN (QinQ) - Port-Based QinQ - Selective QinQ • Voice VLAN
Access Control List	<ul style="list-style-type: none"> • Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL - Source IP - Destination IP - Fragment - IP Protocol - TCP Flag - TCP/UDP Port - DSCP/IP TOS - User Priority • Combined ACL • Packet Content ACL • IPv6 ACL • Policy - Mirroring - Redirect - Rate Limit - QoS Remark • ACL apply to Port/VLAN
Security	<ul style="list-style-type: none"> • IP-MAC-Port Binding - DHCP Snooping - ARP Inspection - IPv4 Source Guard • IPv6-MAC-Port Binding - DHCPv6 Snooping - ND Detection - IPv6 Source Guard • DoS Defend • Static/Dynamic Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio/pps control mode

SOFTWARE FEATURES

	<ul style="list-style-type: none"> • IP/Port/MAC based access control • 802.1X - Port based authentication - Mac based authentication - VLAN Assignment - MAB - Guest VLAN - Support Radius authentication and accountability • AAA (including TACACS+) • Port Isolation • Secure web management through HTTPS with SSLv3/TLS 1.2 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2
IPv6	<ul style="list-style-type: none"> • IPv6 Dual IPv4/IPv6 • Multicast Listener Discovery (MLD) Snooping • IPv6 ACL • IPv6 Interface • Static IPv6 Routing • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 • TCPv6/UDPv6 • IPv6 applications - DHCPv6 Client - Ping6 - Tracert6 - Telnet (v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP
Management Features	<ul style="list-style-type: none"> • Web-based GUI • Command Line Interface (CLI) through console port, telnet • SNMPv1/v2c/v3 - Trap/Inform - RMON (1, 2, 3, 9 groups) • SDM Template • DHCP/BOOTP Client • 802.1ab LLDP/LLDP-MED • DHCP AutoInstall • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • Password Recovery • SNTP • System Log
MIBs	<ul style="list-style-type: none"> • MIB II (RFC1213) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925)

SOFTWARE FEATURES

- Support TP-Link private MIBs
- RMON MIB(RFC1757, rmon 1,2,3,9)

MANAGEMENT FEATURES

Omada App	<p>Yes, through</p> <ul style="list-style-type: none"> • Omada Cloud-Based Controller (Not Supported by TL-SG2210P v4) • OC300 • OC200 • Omada Software Controller
Centralized Management	<ul style="list-style-type: none"> • Omada Cloud-Based Controller (Not Supported by TL-SG2210P v4) • Omada Hardware Controller OC300 • Omada Hardware Controller OC200 • Omada Software Controller
Cloud Access	<p>Yes, through</p> <ul style="list-style-type: none"> • Omada Cloud-Based Controller (Not Supported by TL-SG2210P v4) • OC300 • OC200 • Omada Software Controller
Zero-Touch Provisioning	<p>Yes. Requiring the use of Omada Cloud-Based Controller (Supported by TL-SG2210P v3.2, v5 and above, while is not supported by TL-SG2210P v4)</p>
Management Features	<ul style="list-style-type: none"> • Web-based GUI • Command Line Interface (CLI) through console port, telnet • SNMPv1/v2c/v3 <ul style="list-style-type: none"> - Trap/Inform - RMON (1, 2, 3, 9 groups) • SDM Template • DHCP/BOOTP Client • 802.1ab LLDP/LLDP-MED • DHCP AutoInstall • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • Password Recovery • SNTP • System Log

OTHERS

Certification	CE, FCC, RoHS
Package Content	<ul style="list-style-type: none"> • TL-SG3452 Switch • Power Cord • Quick Installation Guide • Rackmount Kit • Rubber Feet
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux.
Environment	<ul style="list-style-type: none"> • Operating Temperature: 0-40 °C (32-104 °F); • Storage Temperature: -40-70 °C (-40-158 °F)

OTHERS

- Operating Humidity: 10–90% RH non-condensing
- Storage Humidity: 5–90% RH non-condensing

*Zero-Touch Provisioning requires the use of Omada Cloud-Based Controller. Note that TL-SG2428P v2 doesn't support Omada Cloud-Based Controller. Please go to [Omada Cloud-Based Controller Product List](#) to find all the models supported by Omada Cloud-Based Controller.

**L3 and ISP features can only be configured in standalone mode.

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