

TL-SG3452X

TP -LINK TL-SG3452X JetStream 48-Port Gigabit and 4-Port 10GE SFP+ L2+ Managed Switch with 48-Port



Specifications

Model	TL-SG3452X
Brand	Tp-Link
Tip	Managed
Port say?	48 Port
Port sür?ti	1000mb/s

KEY FEATURES

HARDWARE FEATURES

Interface

- 48x 10/100/1000 Mbps RJ45 Ports
- 4x 10G SFP+ Slots
- 1x RJ45 Console Port
- 1x Micro-USB Console Port

Fan Quantity Fanless

Power Supply 100-240 V AC~50/60 Hz

Dimensions (W x D x H) 17.3 x 8.7 x 1.7 in (440 x 220 x 44 mm)

Mounting Rack Mountable

Max Power Consumption 32.72 W (110V/60Hz)

Max Heat Dissipation 111.65 BTU/h (110 V/60 Hz)

PERFORMANCE

Switching Capacity 176 Gbps

Packet Forwarding Rate 130.9 Mpps

MAC Address Table 16 K

Packet Buffer Memory 12 Mbit

Jumbo Frame 9 KB

SOFTWARE FEATURES

Quality of Service

- 8 priority queues
- 802.1p CoS/DSCP priority
- Queue scheduling
- SP (Strict Priority)
- WRR (Weighted Round Robin)
- SP+WRR
- Bandwidth Control
- Port/Flow based Rating Limiting
- Smoother Performance
- Action for Flows
- Mirror (to supported interface)
- Redirect (to supported interface)
- Rate Limit
- QoS Remark

L3 Features

- 128 IPv4/IPv6 Interfaces
- Static Routing
- 48 static routes
- Static ARP
- 128 Static Entries
- Proxy ARP
- Gratuitous ARP
- DHCP Server
- DHCP Relay
- DHCP Interface Relay
- DHCP VLAN Relay
- DHCP L2 Relay

HARDWARE FEATURES

- Link Aggregation
 - static link aggregation
 - 802.3ad LACP
 - Up to 8 aggregation groups, containing 8 ports per group
- Spanning Tree Protocol
 - 802.1d STP
 - 802.1w RSTP
 - 802.1s MSTP
 - STP Security: TC Protect, BPDU Filter, Root 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 and L2+ Features

L2 Multicast

Advanced Features

VLAN

- IGMP Snooping
 - IGMP v1/v2/v3 Snooping
 - Fast Leave
 - IGMP Snooping Querier
 - IGMP Authentication
- IGMP Authentication
- MLD Snooping
 - MLD v1/v2 Snooping
 - Fast Leave
 - MLD Snooping Querier
- Static Group Config
- Limited IP Multicast
- MVR
 - Multicast Filtering: 256 profiles and 16 entries per profile
- Automatic Device Discovery
- Batch Configuration
- Batch Firmware Upgrading
- Intelligent Network Monitoring
- Abnormal Event Warnings
- Unified Configuration
- Reboot Schedule
- VLAN Group
 - Max 4K VLAN Groups
 - 802.1Q Tagged VLAN
 - MAC VLAN: 30 Entries
 - Protocol VLAN: Protocol Template 16, Protocol VLAN 16
- Private VLAN
- GVRP
- VLAN VPN (QinQ)
 - Port-Based QinQ
 - Selective QinQ
- Voice VLAN