TP-LINK®

Managed Layer 2 Switch

- ***High-performance and maximizing compatibility features***
- ***Multiple network management, provide high network security***
- ***Advanced enterprise functions***

Discription:

- **Overview**

  TP-LINK's TL-SL3452 is a high-performance, managed layer 2 switch that provides an ideal solution for workgroups and departments. The (48) 10/100Mbps Fast Ethernet ports allow desktops to access network resources through flexible 4 Gigabit uplinks.

- **High-Performance, High Availability L2 Switching**

  The TL-SL3452 48+4G Gigabit-Uplink Managed Switch fully complies with IEEE 802.3/802.3u/802.3ab/802.3z Ethernet standards. It provides 48 10/100Mbps and 2 10/100/1000Mbps UTP/STP RJ45 ports with auto-MDI/MDIX and 2 Gigabit SFP independence expansion slots supporting SFP modules. Its high-performance and maximizing compatibility features such as, Spanning Tree (802.1d), QoS, VLAN (802.1Q), and network management (SNMP/RMON/Telnet/Web) will leverage your existing investment in a multi-vendor environment. The TL-SL3452 robust support of standards-based network management protocols (SNMP/RMON/ Telnet/Web/TFTP) and port mirroring enables the TL-SL3452 to be easily integrated into many third-party network management packages.

- **Advanced Enterprise Features**

  The TL-SL3452 brings advanced enterprise functions to a more affordable level while supporting advanced features: 802.1x (Port-based Authentication), IGMP snooping, 802.1d (Classic Spanning Tree), 802.1w (Rapid Spanning Tree), 802.1s (Multiple Spanning Tree group), 802.3ad (Link Aggregation), and 802.1Q (VLANs). Management ACLs can be configured based on: IP address, VLAN, LAG, port. These features facilitate the deployment of enterprise applications such as: VoIP, IPTV, streaming media, and multicast content delivery (IP video conferencing and software deployment).

Features:

- Fully complies with IEEE 802.3, 802.3u, 802.3ab, 802.3x, 802.3z, 802.1x, 802.1d, 802.1s, 802.1w, 802.1q, 802.1p and 802.3ad standards
- Supports SNMP, SSL, SSH, Web and Telnet/Console management
- Supports SNMPv1, SNMPv2c, SNMPv3
- Supports SNMP MIB-II, Ethernet-like MIB and Bridge MIB
- Supports RMON, four RMON groups 1, 2, 3, 9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis
- Supports IEEE 802.1X Port-Based Network Access Control protocol and connect to RADIUS
- Management ACL: Based on IP address/VLAN/LAG/port
- TACACS+ and RADIUS supported
- Supports port security, MAC address binding and MAC address filtering
- Broadcast, multicast and unknown unicast storm control
- Supports 52 Port-Based VLANs and 256 IEEE 802.1Q Tag VLANs, full 4K VID
- Supports GARP and GVRP
- Supports IEEE 802.3ad port trunk with LACP
- Supports Static MAC address and filtering MAC address management
- Supports Static Port Priority and IEEE 802.1p Priority , supports 4 Priority Queues
- Supports the configuration function of Port Security, Broadcast Storm Control and Port Mirroring
- Supports IEEE 802.1d Spanning Tree protocol, IEEE 802.1s Multiple Spanning tree protocol and IEEE 802.1w Rapid Spanning tree protocol
- Supports IGMP Snooping function
- Supports firmware upgrade, configuration backed up and restored
- Rack-mountable steel case
- Internal power supply

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Managed Layer 2 Switch

Specifications:

Product specifications	
TL-SL3452	48 ports 10/100BASE-TX + 2 Gigabit RJ45 ports + 2 Gigabit SFP ports
MAC Address Table	8K
Switch Fabric	17.6Gbps
Transmission Method	Store-and-Forward
Cable Type	UTP CAT 5 or better for 10BASE-T/100BASE-TX
	UTP CAT 5e or better for 1000BASE-T
	RS-232 DB9 Male Console Line
Network Protocols and Standards	
IEEE	IEEE 802.3, IEEE 802.3u, IEEE 802.3ad, IEEE 802.3z
	IEEE 802.1d Classic Spanning Tree, IEEE 802.1w Rapid Spanning Tree, IEEE 802.1s Multiple Spanning Tree
	IEEE 802.1p Priority
	IEEE 802.1Q VLAN
	IEEE 802.3ad Link Aggregation Control
	IEEE 802.3x Flow Control
	IEEE 802.1x Port-based Network Access Control
IETF	RFC 1157 SNMP
	RFC 1757 RMON (4 Groups)
	RFC 1493 Bridge MIB
	RFC 1213 MIB II
	RFC 1643 Ethernet-like MIB
	RFC 2674 802.1p, IF MIB
Network Management	
In Band & Out of Band	Telnet, CLI/Console, SSH v1/v2, SSL, RMON (4 Groups),
	Web-based HTTP, SNMPv1/v2c/v3 Compatible & Port Mirroring
Network Security	
IEEE 802.1x	802.1x – RADIUS and TACACS + Authentication(port-based)
VLAN	Supports 52 Port-Based VLANs and 256 IEEE 802.1Q Tag VLANs full 4K VID (Port-based, 802.1Q and GARP/GVRP)
Port Security	Port locks down to MAC Address, MAC address binding and filtering
Management Access Control	Management Access Control based on MAC address/port/VLAN
Network QoS	
Priority	IEEE 802.1p, 4 queues
Spanning Tree Support	802.1d STP, 802.1w RSTP and 802.1s MSTP
Link Aggregation	802.3ad LACP supported
Storm Control	Broadcast, Multicast, and Unknown Unicast
IGMP Snooping	IGMP(V1/V2) snooping, supports up to 128 L2 Multicast Groups

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