



# TP-LINK Smart Switch

TL-SL2218/TL-SL2428

## Overview

TP-LINK smart switch TL-SL2218/TL-SL2428 is equipped with 16/24 10/100Mbps RJ45 ports, 2/4 10/100/1000Mbps RJ45 ports and 2/2 combo SFP slots. These switches provide high performance, enterprise-level QoS, useful security strategies and rich layer 2 management features.

These two smart switches are cost-effective product solutions for the small and medium business. TL-SL2218/TL-SL2428 has useful security features. The Storm Control feature protects against Broadcast, Multicast and Unknown unicast Storm. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. Anymore, the easy-to-use web management interfaces, along with SNMP and RMON, mean faster setup and configuration with less downtime. For workgroup and departments requiring cost-sensitive layer 2 switch and gigabit capability, TP-LINK smart switch TL-SL2218/TL-SL2428 provides you the ideal access-edge solution.



## Specifications

### Hardware Features & Performance

Product Picture			
Model		TL-SL2218	TL-SL2428
Physical Features			
Connector	10/100Mbps RJ45 Ports	16	24
	10/100/1000Mbps RJ45 Ports	2	4
	Gigabit SFP Slots	2 (Combo)	2 (Combo)
Power Supply		100-240VAC, 50/60Hz	100-240VAC, 50/60Hz
FAN Quantity		0	0
Certifications		CE, FCC	CE, FCC
Dimensions (W × D × H)		17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm) 19-inch Rack mount Steel Case, 1U Height	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm) 19-inch Rack mount Steel Case, 1U Height
Environment		Operating Temperature: 0°C~40°C (32°F~104°F), Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing	
Performance			
Swtich Capacity		7.2Gbps	12.8Gbps
Forwarding Rate		5.4Mpps	9.5Mpps
MAC Address Table		8k	8k
Jumbo Frame		9KB*	9KB

### Software Features

#### L2 Switching Features

- **Link Aggregation**
  - Support 802.3ad LACP\*
  - Support static link aggregation
  - Up to 6 aggregation groups, containing 4 ports per group
- **Spanning Tree Protocol(STP)**
  - IEEE 802.1D Spanning Tree Protocol
  - IEEE 802.1W Rapid Spanning Tree Protocol
  - IEEE 802.1S Multiple Spanning Tree Protocol
  - STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect
- **Multicast**
  - Support IGMP Snooping v1/v2/v3, up to 256 groups
  - Support multicast VLANs, IGMP Immediate Leave, Unknown IGMP Throttling, IGMP Filtering, Static Multicast IP
- **VLAN**
  - Support IEEE802.1Q with 512 VLANs simultaneously (out of 4K VIDs)
- **IEEE 802.3x flow control for Full Duplex mode and backpressure for Half Duplex mode**

## Quality of Service (QoS)

- Support 802.1p CoS/DSCP priority
- Support 4 priority queues
- Queue scheduling: SP, WRR, SP+WRR
- Port/Flow- based Rate Limiting
- Voice VLAN assure voice applications much smoother performance \*

## Advanced Security Strategies

- Support Broadcast, Multicast and Unknown unicast Storm Control

## Management

- Support Web-based GUI management mode
- SNMP v1/v2c/v3
- RMON (1, 2, 3, 9 groups)
- DHCP/BOOTP Client
- CPU Monitoring
- Port Mirroring (Many to One)
- Cable Diagnostics feature
- Ping/Tracert feature
- System Log

## Ethernet Protocols

- IEEE 802.3i 10BASE-T
- IEEE 802.3u 100BASE-TX/FX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x Flow control
- IEEE 802.1p QoS
- IEEE 802.1q VLANs / VLAN tagging
- IEEE 802.1D Spanning Tree Protocol (STP)
- IEEE 802.1W Rapid Spanning Tree (RSTP)
- IEEE 802.1S Multiple Spanning Tree (MSTP)

## MIBs

- MIB II (RFC1213)
- Interface MIB (RFC2233)
- Ethernet Interface MIB (RFC1643)
- Bridge MIB (RFC1493)
- P/Q-Bridge MIB (RFC2674)
- RMON MIB (RFC2819)
- RMON2 MIB (RFC2021)
- Remote Ping, Traceroute MIB (RFC2925)
- Support TP-LINK private MIBs

## Ordering Information

Host Switch	
Product Model	Description
TL-SL2218	16-Port 10/100Mbps + 2-Port Gigabit Smart Switch
TL-SL2428	24-Port 10/100Mbps + 4-Port Gigabit Smart Switch
Router	
Product Model	Description
TL-ER6120	SafeStream™ Gigabit Dual-WAN VPN Router
TL-ER5120	Gigabit Load Balance Broadband Router
SFP Modules	
Product Model	Description
TL-SM311LS	Gigabit SFP module, Single-mode, LC interface, Up to 10km distance
TL-SM311LM	Gigabit SFP module, Multi-mode, LC interface, Up to 550m distance
TL-SM321A	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1550nm/RX:1310nm, 10km
TL-SM321B	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1310nm/RX:1550nm, 10km
Media Converter	
Product Model	Description
MC210CS	Gigabit single-mode SC SFP Transceiver, up to 15Km, chassis mountable
MC200CM	Gigabit multi-mode SC SFP Transceiver, up to 550m, chassis mountable
MC220L	Gigabit SFP slot supporting mini-GBIC modules, chassis mountable
MC1400	14-slot power supply chassis for TP-LINK Media Converter, 19-inch rack-mountable

\* This software version doesn't support these functions, which will be added in the next version.