

JetStream 10-Gigabit L2+ Managed Switch Datasheet

MODELS: TL-SX3008F / TL-SX3016F / TL-SX3206HPP / TL-SG3210XHP-M2 / TL-SG3428X / TL-SG3428XMP / TL-SG3452X / TL-SG3452XP



Overview

TP-Link's JetStream L2+ managed switches provide high performance, powerful L2 and L2+ features like static routing, enterprise-level QoS, advanced security strategies and a bundle of ISP features. The 10-gigabit ports ensure high-speed data transfer, and their backward compatility with gigabit products reserves room for network upgrades, therefore guarantees stable and long-term usability. The IP-MAC-Port Binding (IMPB) and Access Control List (ACL) functions protect against broadcast storm, ARP and Denial-of-Service (DoS) attacks, etc. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. The OAM function helps facilitate network management. Moreover, the easy-to-use web management interfaces, along with CLI, SNMP and Dual Image mean faster setup and configuration with less downtime. TP-Link JetStream L2+ 10-gigabit managed switches provide a reliable, secure solution for enterprise, campus and ISP networks.

Omada Solution





Hospitality High Quality and Full Coverage Wi-Fi



Education High-Density Wi-Fi



Retail Social Marketing for O2O



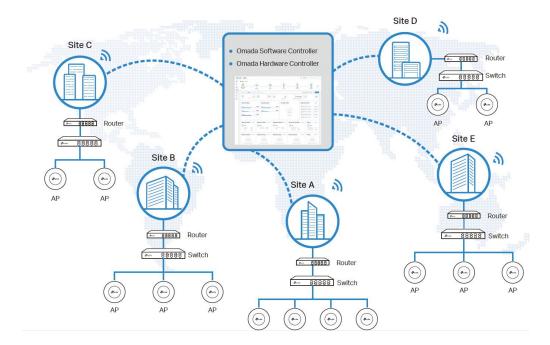
Office Wireless and Wired Connections



Catering Full Wi-Fi Coverage in High-Density Environment

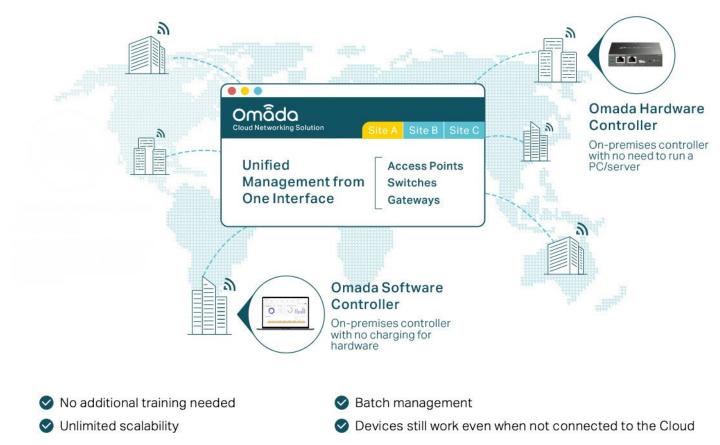
Software Defined Networking (SDN) with Cloud Access

Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, providing 100% centralized cloud management. Omada creates a highly scalable network——all controlled from a single interface. Seamless wireless and wired connections are provided, ideal for use in hospitality, education, retail, offices, and more.



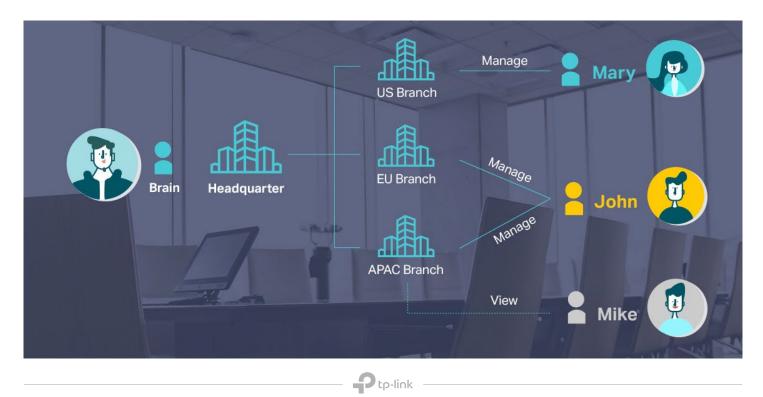
Hassle-Free Centralized Cloud Management

100% centralized cloud management of the whole network from different sites——all controlled from a single interface anywhere, anytime.



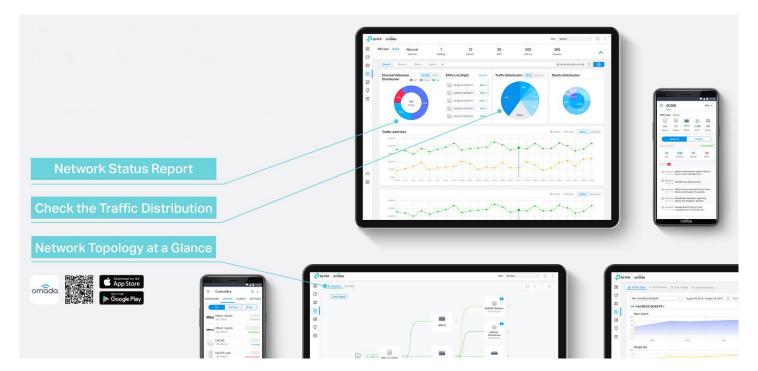
Assign Different Management Roles

Multi-user privilege assignment is available to increase management efficiency and security. Multi-person management, multi-level permissions, and the ability to add admins as needed, enable flexible network operation and maintenance.

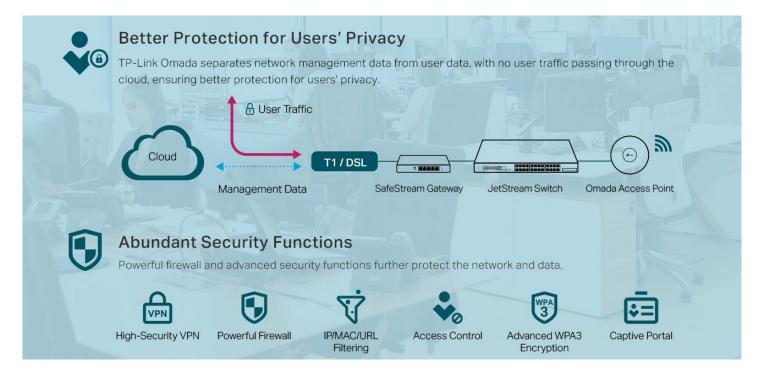


Easy and Intelligent Network Monitoring

The easy-to-use dashboard makes it easy to see your real-time network status; check network usage and traffic distribution; receive network condition logs, abnormal event warnings, and notifications; or even track key data for better business results. Network topology helps IP admins quickly see and troubleshoot connection at a glance.



Comprehensive Protection for the Whole Network



Switch Product Features

Networking Security

The L2+ managed switches provide IP-MAC-Port Binding, Port Security, Storm control and DHCP Snooping which protect against broadcast storms, ARP attacks, etc. It integrates some typical DoS attacks to select. You can protect these attacks more easily ever than before. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports and even VLAN ID. Moreover, the switch supports 802.1X authentication, which is used in conjunction with a RADIUS/TACACS+ server to require some authentication information before access to the network is allowed.

Advanced QoS features

To integrate voice, data and video service on one traffic based on a variety of means including IP or MAC address, TCP or UDP port number, etc. to ensure that voice and video are always clear, smooth and jitter free. In conjunction with the Voice VLAN the switch supporting, the voice applications will operate with much smoother performance.

Abundant L2+ features

The L2+ managed switches support a complete lineup of L2 features, including 802.1Q VLAN, Port Mirroring, STP/RSTP/ MSTP, Link Aggregation Control Protocol and 802.3x Flow Control function. Any more, the switch provides advanced features for network maintenance. Such as Loopback Detection, Cable Diagnostics and IGMP Snooping. IGMP snooping ensures the switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Moreover, L2+ managed switches support L2+ feature-static routing, which is a simple way to provide segmentation of the network with internal routing through the switch and helps network traffic for more efficient use.

ISP Features

The L2+ managed switches support a bundle of ISP features such as 802.3ah OAM, DDM, sFlow, QinQ, L2PT PPPoE ID Insertion, IGMP authentication etc. 802.3ah OAM and Device Link Detection Protocol (DLDP) functions improve monitor and troubleshoot Ethernet networks, help facilitate network management. DDM(Digital Diagnostic Monitoring) function helps view the status of SFP modules inserting to the Switch and to configure alarm settings, warning settings, temperature threshold settings, voltage threshold settings, bias current threshold settings, TX power threshold settings, and Rx power threshold settings.

Enterprise Level Management Features

TP-Link's new L2+ managed switches are easy to use and manage. It supports various user-friendly standard management features, such as intuitive web-based Graphical User Interface (GUI), industry-standard Command Line Interface (CLI), SNMP (v1/v2c/v3), and RMON. This allows the switch to provide valuable status information and send reports on abnormal events. It also supports Dual Image and Dual Configuration to provide improved reliability and network uptime.

IPv6 Support

The L2+ managed switches support various IPv6 functions such as Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor Discovery, which guarantees your network is ready for the Next Generation Network (NGN) without upgrading your network equipment.

Specifications

| Product Picture | | рок : | |
|-----------------|--------------------------------|---|---|
| Model | | TL-SX3008F | TL-SX3016F |
| | Interface | 8 10GE SFP+ Slots | 16 10GE SFP+ Slots |
| | Console | 1 RJ45 Console Port, 1 Micro-USB Console Port | |
| General | Flash | 32 MB | |
| | DRAM | 256 MB | |
| | Port Standard | IEEE 802.3z: 1000BASE-X Gigabit Ethernet IEEE 802.3ae: 10 Gigabit Ethernet over fibe | |
| | Switching Capacity | 160 Gbps | 320 Gbps |
| | Packet Forwarding Rate | 119.04 Mpps | 238.08 Mpps |
| | MAC Address Table | 32K | |
| | Packet Buffer | 16 Mbit | 24 Mbit |
| Performance | Transmission Method | Store and Forward | |
| | Number of IP Interfaces | 16 | |
| | Number of Static Routers | 48 (IPv4, IPv6) | |
| | Jumbo Frame | 9 KB | |
| | Dual Redundant Power Supply | - | 2 Fixed AC Power Supply |
| | Power Supply | 100-240 V AC~50/60 Hz | |
| | Max Power Consumption | 15.46 W (220 V/50 Hz) | 32.74 W (220 V/50 Hz) |
| | Max Heat Dissipation | 52.75 BTU/hr (220 V/50 Hz) | 111.71 BTU/hr (220 V/50 Hz) |
| Physical & | Standby Power Consumption | 5.91 W (110 V/60 Hz) | 13.33 W (110 V/60 Hz) |
| Environment | Dimensions (W x D x H) | 17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm) | 17.3 × 8.7 × 1.7 in (440 × 220 × 44 mm) |
| | Fan Quantity | Fanless | 1 |
| | Installation | Rack Mountable | |
| | Operating Temperature | 0 °C to 45 °C (32 °F to 113 °F) | |
| | Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) | |
| | Operation Humidity | 10% to 90% RH, non-condensing | |
| | Storage Humidity | 5% to 90% RH, non-condensing | |
| | Certification | CE, FCC, RoHS | |

| Product Picture | | Pipes | Post cause : : : : : : : : : : : : : : : : : : : |
|--------------------------|------------------------------|---|---|
| | Model | TL-SX3206HPP | TL-SG3210XHP-M2 |
| | Interface | 4 100M/1000M/2.5G/5G/10Gbps RJ45 Ports 2 10GE SFP+ Slots | 8 100/1000Mbps/2.5Gbps RJ45 Ports 2 10GE SFP+ Slots |
| | Console | 1 RJ45 Console Port, 1 Micro-USB Console Port | |
| | Flash | 32 MB | |
| | DRAM | 256 MB 128 MB | |
| General | Port Standard | IEEE 802.3u:100BASE-X Fast Ethernet IEEE 802.3ab:1000BASE-T Gigabit Ethernet IEEE 802.3bz: 2.5GBASE-T Ethernet IEEE 802.3an:10GBASE-T Ethernet IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae: 10 Gigabit Ethernet over fiber | IEEE 802.3u:100BASE-X Fast Ethernet IEEE 802.3ab:1000BASE-T Gigabit Ethernet IEEE 802.3bz:2.5GBASE-T Ethernet IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae: 10 Gigabit Ethernet over fiber |
| | PoE Standard | 802.3af/at/bt | 802.3af/at |
| PoE | PoE Ports | 4, up to 60 W | 8, up to 30 W |
| | PoE Power Budget | 200 W | 240 W |
| | Switching Capacity | 120 Gbps | 80 Gbps |
| | Packet Forwarding Rate | 89.28 Mpps | 59.52 Mpps |
| | MAC Address Table | 32 K | 16 K |
| Performance | Transmission Method | Store and Forward | |
| renomance | Number of IP Interfaces | 16 | |
| | Number of Static Routers | 48 (IPv4, IPv6) | |
| | Jumbo Frame | 9 KB | |
| | Power Supply | 100-240 V AC~50/60 Hz | |
| | Max Power Consumption | 27.29 W (110V/60Hz) (no PD connected) 244.90 W (110V/60Hz) (with 200 W PD connected) | 27.19 W (110V/60Hz) (no PD connected) 291.49 W (110V/60Hz) (with 240 W PD connected) |
| Physical & Environmet | Max Heat Dissipation | 93.12 BTU/hr (110 V/60 Hz) (no PD connected) 835.67 BTU/hr (110 V/60 Hz) (with 200 W PD connected) | 92.78 BTU/hr (110 V/60 Hz) (no PD connected) 994.56 BTU/hr (110 V/60 Hz) (with 240 W PD connected) |
| | Standby Power Consumption | 13.52 W (110 V/60 Hz) | 17.24 W (110 V/60 Hz) |
| | Dimensions (W x D x H) | 11.6×7.1×1.7 in (294×180×44 mm) | 17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm) |
| | Fan Quantity | 2 | |
| | Installation | Rack Mountable / Desktop | Rack Mountable |
| | Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F) | |
| | Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) | |
| | Operation Humidity | 10% to 90% RH, non-condensing | |
| | Storage Humidity | 5% to 90% RH, non-condensing | |
| | Certification | CE, FCC, RoHS | |

| Pro | oduct Picture | | | |
|--------------------------|------------------------------|--|---|--|
| Model | | TL-SG3428X | TL-SG3428XMP | |
| | Interface | 24 10/100/1000Mbps RJ45 Ports 4 10GE SFP+ Slots | | |
| | Console | 1 RJ45 Console Port, 1 Micro-USB Console | e Port | |
| | Flash | 32 MB | | |
| General | DRAM | 256 MB | | |
| | Port Standard | IEEE 802.3i:10BASE-T Ethernet; IEEE 802.3u:100BASE-X Fast Ethernet; IEEE 802.3ab:1000BASE-T Gigabit Ethernet; IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae: 10 Gigabit Ethernet over fiber | | |
| | PoE Standard | - | 802.3af/at | |
| PoE | PoE Ports | - | 24, up to 30W | |
| | PoE Power Budget | - | 384 W | |
| | Switching Capacity | 128 Gbps | | |
| | Packet Forwarding Rate | 95.23 Mpps | | |
| | MAC Address Table | 16K | | |
| | Transmission Method | Store and Forward | | |
| Performance | Packet Buffer | 12 Mbit | | |
| | Number of IP Interfaces | 16 | | |
| | Number of Static Routers | 48 (IPv4, IPv6) | | |
| | Jumbo Frame | 9 KB | | |
| | Power Supply | 100-240 V AC~50/60 Hz | | |
| | Max Power Consumption | 23.6 W (110V/60Hz) | 34.4 W (110V/60Hz) (no PD connected 465.8 W (110V/60Hz) (with 384 W PD connected) | |
| | Max Heat Dissipation | 80.52 BTU/hr (110 V/60 Hz) | 117.38 BTU/hr (110 V/60 Hz) (no PD connected) 1589.31 BTU/hr (110 V/60 Hz) (with 384 W PD connected) | |
| | Standby Power Consumption | 8.67 W (110 V/60 HZ) | 20.80 W (110 V/60 Hz) | |
| Physical & Environmet | Dimensions (W x D x H) | 17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm) | 17.3 × 13.0 × 1.7 in (440 × 330 × 44 mn | |
| | Fan Quantity | Fanless | 2 | |
| | Installation | Rack Mountable | | |
| | Operating Temperature | 0 °C to 45 °C (32 °F to 113 °F) | | |
| | Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) | | |
| | Operation Humidity | 10% to 90% RH, non-condensing | | |
| | Storage Humidity | 5% to 90% RH, non-condensing | | |
| | Certification | CE, FCC, RoHS | | |

| Product Picture | | | a amananananana |
|--------------------------|------------------------------|--|--|
| Model | | TL-SG3452X | TL-SG3452XP |
| | Interface | 48 10/100/1000Mbps RJ45 Ports 4 10GE SFP+ Slots | |
| | Console | 1 RJ45 Console Port, 1 Micro-USB Console Port | |
| | Flash | 32 MB | |
| General | DRAM | 512 MB | |
| | Port Standard | IEEE 802.3i:10BASE-T Ethernet; IEEE 802.3u:100BASE-X Fast Ethernet; IEEE 802.3ab:1000BASE-T Gigabit Ethernet; IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae: 10 Gigabit Ethernet over fiber | |
| | PoE Standard | - | 802.3af/at |
| PoE | PoE Ports | - | 48, up to 30 W |
| | PoE Power Budget | - | 500 W |
| | Switching Capacity | 176 Gbps | |
| | Packet Forwarding Rate | 130.94 Mpps | |
| | MAC Address Table | 16 K | |
| | Transmission Method | Store and Forward | |
| Performance | Packet Buffer | 12 Mbit | |
| | Number of IP Interfaces | 16 | |
| | Number of Static Routers | 48 (IPv4, IPv6) | |
| | Jumbo Frame | 9 KB | |
| | Power Supply | 100-240 V AC~50/60 Hz | |
| | Max Power Consumption | 32.72 W (110V/60Hz) | 49.19 W (110V/60Hz) (no PD connected) 635.70 W (110V/60Hz) (with 500 W PD connected) |
| | Max Heat Dissipation | 111.65 BTU/hr (110 V/60 Hz) | 167.85 BTU/hr (110 V/60 Hz) (no PD connected) 2169.2 BTU/hr (110 V/60 Hz) (with 500 W PD connected) |
| Physical & Environmet | Standby Power Consumption | 13.38 W (110 V/60 HZ) | 28.61 W (110 V/60 Hz) |
| | Dimensions (W x D x H) | 17.3 × 8.7 × 1.7 in (440 × 220 × 44 mm) | 17.3 × 13.0 × 1.7 in (440 × 330 × 44 mm) |
| | Fan Quantity | - | 3 |
| | Installation | Rack Mountable | |
| | Operating Temperature | 0 °C to 45 °C (32 °F to 113 °F) | 0 °C to 40 °C (32 °F to 104 °F) |
| | Storage Temperature | -40 °C to 70 °C (-40 °F to 158 °F) | |
| | Operation Humidity | 10% to 90% RH, non-condensing | |
| | Storage Humidity | 5% to 90% RH, non-condensing | |
| | Certification | CE, FCC, RoHS | |

| ftware Feature | | -SG3210XHP-M2 / TL-SG3428X / TL-SG3428XMP |
|----------------|--|---|
| Model | | /TL-SG3452XP |
| SDN Support | Support Omada Hardware Controller (OC200/ OC300), Software Controller Automatic Device Discovery Batch Configuration Batch Firmware Upgrading | Intelligent Network Monitoring Abnormal Event Warnings Unified Configuration Reboot Schedule |
| L3 Features | 16 IPv4/IPv6 Interfaces Static Routing 48 static routes Static ARP 128 static entries 512 ARP Entries | Proxy ARP Gratuitous ARP DHCP Server DHCP Relay DHCP interface relay DHCP VLAN relay DHCP L2 Relay |
| L2 Features | 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 | Supports 1000 (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 |
| VLAN | VLAN Group (802.1q VLAN) Max 4K VLAN Groups 802.1Q Tagged VLAN MAC VLAN: 30 entries (10 entries for TL-SG3210XHP-M2) Protocol VLAN: Protocol Template 16, Protocol VLAN 16 (Protocol Template 16 and Protocol VLAN 12 for TL-SX3008F and TL-SX3016F) | Private VLAN GVRP VLAN VPN VLAN Mapping VLAN Replace Voice VLAN |
| QoS | 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 QoS remark (802.1P Remark, DSCP Remark) |

| Model | | SG3210XHP-M2 / TL-SG3428X / TL-SG3428XMP |
|--------------|--|---|
| Model | TL-SG3452X / | TL-SG3452XP |
| | MAC ACL Source MAC Destination MAC VLAN ID User Priority Ether Type | TCP/UDP Port DSCP/IP TOS Combined ACL IPv6 ACL Policy Mirroring |
| ACL | IP ACL -Source IP - Destination IP - Fragment - IP Protocol - TCP Flag | Redirect Rate Limit QoS Remark ACL apply to Port/VLAN Time-based ACL |
| Security | IP-MAC-Port Binding 512 Entries DHCP Snooping ARP Inspection IPv4 Source Guard IPv6-MAC Port Binding 512 Entries DHCPv6 Snooping ND Detection ND Detection ND Snooping IPv6 Source Guard DoS Defend DHCP Filter Static/Dynamic Port Security Up to 64 MAC addresses per port Broadcast/Multicast/Unknown-unicast Storm Control kbps/ratio/pps control mode | 802.1X Port base authentication Mac base 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 IP/Port/MAC based access control |
| ISP Features | 802.3ah Ethernet Link OAM L2PT (Layer 2 Protocol Tunneling) PPPoE ID Insertion | Device Link Detect Protocol (DLDP) sFlow DDM |
| Management | Web-based GUI Command Line Interface (CLI) through consoleport, telnet SNMPv1/v2c/v3 Trap/Inform RMON (1, 2, 3, 9 groups) SDM Template DHCP/BOOTP Client 802.1ab LLDP/LLDP-MED | DHCP Auto Install Dual Image, Dual Configuration CPU Monitoring Cable Diagnostics EEE* Password Recovery SNTP System Log |
| IPv6 Support | 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 |

Ptp-link

| Software Features | 3 | |
|-------------------|---|---|
| Model | TL-SX3008F / TL-SX3016F / TL-SX3206HPP / TL-SG3210XHP-M2 / TL-SG3428X / TL-SG3428XMP / TL-SG3452X / TL-SG3452XP | |
| 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) RADIUS Accounting Client MIB (RFC2620) RADIUS Authentication Client MIB (RFC2618) Remote Ping, Traceroute MIB (RFC2925) Support TP-Link Private MIB |

Ordering Information

| Host Switch | |
|-----------------|--|
| Model | Description |
| TL-SX3008F | JetStream 8-Port 10GE SFP+ L2+ Managed Switch |
| TL-SX3016F | JetStream 16-Port 10GE SFP+ L2+ Managed Switch |
| TL-SX3206HPP | JetStream 6-Port 10GE L2+ Managed Switch with 4-Port PoE++ |
| TL-SG3210XHP-M2 | JetStream 8-Port 2.5GBASE-T and 2-Port 10GE SFP+ L2+ Managed Switch with 8-Port PoE+ |
| TL-SG3428X | JetStream 24-Port Gigabit L2+ Managed Switch with 4 10GE SFP+ Slots |
| TL-SG3428XMP | JetStream 24-Port Gigabit and 4-Port 10GE SFP+ L2+ Managed Switch with 24-Port PoE+ |
| TL-SG3452X | JetStream 48-Port Gigabit L2+ Managed Switch with 4 10GE SFP+ Slots |
| TL-SG3452XP | JetStream 48-Port Gigabit and 4-Port 10GE SFP+ L2+ Managed Switch with 48-Port PoE+ |

| SFP/SFP+ Modules | | |
|------------------|--|--|
| Model | Description | |
| TL-SM311LS | Gigabit SFP module, Single-mode, LC interface, Up to 20km 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: 1550 nm/RX: 1310 nm, 20 km | |
| TL-SM321A-2 | Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1550 nm/RX: 1310 nm, 2 km | |
| TL-SM321B | Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 20 km | |
| TL-SM321B-2 | Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX: 1310 nm/RX: 1550 nm, 2 km | |
| TL-SM5110-LR | 10GBase-LR SFP+ LC Transceiver, single-mode, LC connector, 1310nm, 10 km | |
| TL-SM5110-SR | 10GBase-SR SFP+ LC Transceiver, multi-mode, LC connector, 850nm, 300 m | |

| RJ45 SFP/SFP+ Modules | | |
|-----------------------|----------------------------|--|
| Model | Description | |
| TL-SM331T | 1000BASE-T RJ45 SFP Module | |
| TL-SM5310-T | 10GBASE-T RJ45 SFP+ Module | |

| MC Series Media Converter | | |
|---------------------------|--|--|
| Model | Description | |
| MC210CS | Gigabit Single-Mode Media Converter, up to 20 km, chassis mountable | |
| MC200CM | Gigabit multi-mode SC SFP Transceiver, up to 550 m, chassis mountable | |
| MC200L | Gigabit SFP slot supporting mini-GBIC modules, chassis mountable | |
| TL-MC1400 | 14-slot power supply chassis for TP-LINK MC Series Media Converter, 19-inch rack-mountable | |

| FC Series Media Converter | | |
|---------------------------|---|--|
| Model | Description | |
| TL-FC111A-20 | 100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable | |
| TL-FC111B-20 | 100Mbps Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable | |
| TL-FC311A-2 | Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1550nm, RX:1310nm, chassis mountable | |
| TL-FC311B-2 | Gigabit Single-Mode WDM Media Converter, up to 2 km, TX:1310nm, RX:1550nm, chassis mountable | |
| TL-FC311A-20 | Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1550nm, RX:1310nm, chassis mountable | |
| TL-FC311B-20 | Gigabit Single-Mode WDM Media Converter, up to 20 km, TX:1310nm, RX:1550nm, chassis mountable | |
| TL-FC1400 | 14-slot power supply chassis for TP-LINK FC Series Media Converter, 19-inch rack-mountable | |

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: www. tp-link.com.

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

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