**ComX Computers**
Product Specification Sheet

# TP-SX3008F

TP-Link JetStream 8 Port 10GE SFP+ L2+ managed Switch

## Product Overview

TP-Link TP-SX3008F JetStream 8 Port 10GE SFP+ L2+ managed Switch, 8x 10GE SFP+ slots, 1x RJ45 Console Port, 1x Micro-USB Console Port, Fanless, Rack mountable, 160 Gbps switching capacity



## Specifications

**Features:**

- 10G Lightning-Fast Connections:8x 10 Gbps SFP+ Ports enable high-bandwidth connectivity and non-blocking 160 Gbps switching capacity.
- Integrated into Omada SDN: Zero-Touch Provisioning (ZTP), Centralized Cloud Management, and Intelligent Monitoring.
- Centralized Management: Easy and convenient management with cloud access and Omada app.
- Static Routing: Route internal traffic for the efficient use of network resources.
- Robust Security Strategies: Keep your data safe with systems including IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm control, DHCP Snooping, 802.1X, and Radius Authentication.
- Voice and Video Application Optimization: L2/L3/L4 QoS and IGMP snooping.
- Standalone Management: Web, CLI (Console Port, Telnet, SSH), SNMP, RMON, and Dual Image bring powerful management capabilities

**Full Fiber Switch with Lightning-Fast 10G**
Build and expand your lightning-fast network with TP-Link TL-SX3008F - a fully managed switch with full 8-port 10G fiber ports and 160 Gbps switching capacity. Ideal for small, medium, and large business networks, it meets and surpasses the needs for high-speed, reliable, and safe enterprise networks.

- 1x RJ45 Console Port
- 1x Micro-USB Console Port
- 8x 10G SFP+ Ports

**Easily Build a Whole 10G Network**

- Unlock the Real WiFi 6 Switch with 10G or 2.5G PoE Ports
- Connecting PoE Devices, Hassle-FreePoE Switch with 10G Uplink
- Lightning-Fast Wired ConnectionsSwitch with 10G Ports

**Seamless Integration to Omada Cloud SDN**
Omadas Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and

routers, 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.

- Multi-Site Cloud Management
- Zero-Touch Provisioning (ZTP)
- Intelligent Monitoring

**Specifications:**

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| **HARDWARE FEATURES** | |
| **Interface** | 8x 10GE 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 7.1 x 1.7 in (440 x 180 x 44 mm) |
| **Mounting** | Rack Mountable |
| **Max Power Consumption** | 15.46 W (220 V / 50 Hz) |
| **Max Heat Dissipation** | 52.75 BTU/hr (220 V / 50 Hz) |
| **PERFORMANCE** | |
| **Switching Capacity** | 160 Gbps |
| **Packet Forwarding Rate** | 119.04 Mpps |
| **MAC Address Table** | 32 K |
| **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 |

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| **L2 and L2+ 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 Multicast** | 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 |

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| **VLAN** | 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 |
| **Access Control List** | 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 |

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| **Security** | IP-MAC-Port Binding |
| | - 512 Entries |
| | - DHCP Snooping |
| | - ARP Inspection |
| | - IPv4 Source Guard: 100 Entries |
| | IPv6-MAC-Port Binding |
| | - 512 Entries |
| | - DHCPv6 Snooping |
| | - ND Detection |
| | - IPv6 Source Guard: 100 Entries |
| | DoS Defend |
| | Static/Dynamic Port Security |
| | - Up to 64 MAC addresses per port |
| | Broadcast/Multicast/Unicast Storm Control |
| | - kbps/ratio control mode |
| | 802.1X |
| | - Port base authentication |
| | - Mac base authentication |
| | - VLAN Assignment |
| | - MAB |
| | - Guest VLAN |
| | - Support Radius authentication andaccountability |
| | 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 |

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| **IPv6** | 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 |
| **L3 Features** | 16 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 |

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| **Management** | Web-based GUI |
| | Command Line Interface (CLI) through the console port, telnet |
| | SNMP v1/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 |
| **Advanced Features** | Support Omada Hardware Controller (OC200/OC300), Software Controller, Cloud-Based Controller |
| | Automatic Device Discovery |
| | Batch Configuration |
| | Batch Firmware Upgrading |
| | Intelligent Network Monitoring |
| | Abnormal Event Warnings |
| | Unified Configuration |
| | Reboot Schedule |
| | ZTP (Zero-Touch Provisioning) |
| **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 |

| OTHERS | |
|---|---|
| **Certification** | CE, FCC, RoHS |
| **Package Contents** | TL-SX3008F Switch |
| | Power Cord |
| | Quick Installation Guide |
| | Rackmount Kit |
| | Rubber Feet |
| **Environment** | Operating Temperature: 0-45 degreesC (32-113 degreesF) |
| | Storage Temperature: -40-70 degreesC (-40-158 degreesF) |
| | Operating Humidity: 10-90% RH non-condensing |
| | Storage Humidity: 5-90% RH non-condensing |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**
**https://www.comx-computers.co.za/TP-SX3008F-TP-Link-JetStream-8-Port-10GE-SFP-L2-managed-Switch-p-262059.php**

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