

TP-Link JetStream TL-SX3016F V1 (TL-SX3016F)
 TP-Link JetStream TL-SX3016F V1 - Switch - L2+ - Managed - rack-mountable



Key Selling Points

- 16x full 10 Gbps SFP+ slots - lightning-fast full 10 Gbps SFP+ slots provide high-bandwidth aggregation connectivity
- Centralized cloud management - integrates into Omada SDN for cloud access and remote management
- Abundant L2 and L2+ features - supports a complete lineup of L2 and L2+ features including Static Routing, enterprise-level QoS, IGMP Snooping, and more
- Robust security strategies - helps protect LAN area investment with integrated IP-MAC-Port binding, ACL, port security, 802.1X authentication, and more
- Robust hardware design - its fanless design ensures silent operation, while its durable metal casing and up to 45 °C operation temperature ensures reliability

Product Features

16x full 10 Gbps SFP+ slots

Build reliable and lightning-fast connections to the servers and other switches with lightning-fast 10 Gbps slots, featuring high-bandwidth connectivity and ultra-low latency.

Centralized cloud management

Easily centrally manage the whole network with Omada SDN integration. Cloud access and the Omada app gives you the most convenient management experience.

Main Specifications

Product Description	TP-Link JetStream TL-SX3016F V1 - switch - 16 ports - Managed - rack-mountable
Device Type	Switch - 16 ports - L2+ - Managed
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Performance	Switching capacity: 320 Gbps Packet forwarding rate: 238.08 Mpps Packet buffer size: 24 Mbit
Capacity	IP interfaces: 16 IPv4 routes (static): 48 IPv6 routes (static): 48
MAC Address Table Size	32K entries
Jumbo Frame Support	9KB
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, SSH, SSH-2, CLI
Features	Network monitoring, BOOTP support, ARP support, IGMP snooping, store and forward, firmware upgradable, STP support, sFlow, Access Control List (ACL) support, DHCP server, MLD snooping, bandwidth control, Device Link Detection Protocol (DLDP) support, LLDP support, DHCP relay, Link Aggregation Control Protocol (LACP), port based access control, Multicast VLAN Registration (MVR), port isolation, static routing, Strict Priority (SP), SNMP support, system log, Link Aggregation, dual image support, fast leave, Authentication, Authorization and Accounting (AAA), Static Link Aggregation, 1 fan, Voice VLAN, Private VLAN, VLAN group, Zero-touch provisioning (ZTP), Denial of Service (DoS) protection, MAC based VLAN, MAC Access Bypass (MAB), DHCP filtering, schedule reboot, IPv4 and IPv6 dual stack, IGMP support, device discovery
Compliant Standards	IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3ah

Power	(50/60 Hz)
Dimensions (WxDxH)	44 cm x 22 cm x 4.4 cm

Extended Specification

General

Device Type	Switch - 16 ports - L2+ - Managed
Enclosure Type	Rack-mountable
Subtype	10 Gigabit Ethernet
Performance	Switching capacity:320 Gbps Packet forwarding rate:238.08 Mpps Packet buffer size:24 Mbit
Capacity	IP interfaces:16 IPv4 routes (static):48 IPv6 routes (static):48
MAC Address Table Size	32K entries
Jumbo Frame Support	9KB
Remote Management Protocol	SNMP 1,RMON 1,RMON 2,RMON 3,RMON 9,Telnet,SNMP 3,SNMP 2c,HTTP,HTTPS,SSH,SSH-2,CLI
Authentication Method	Secure Shell (SSH),Secure Shell v.2 (SSH2)
Features	Network monitoring,BOOTP support,ARP support,IGMP snooping,store and forward,firmware upgradable,SNTP support,sFlow,Access Control List (ACL) support,DHCP server,MLD snooping,bandwidth control,Device Link Detection Protocol (DLDP) support,LLDP support,DHCP relay,Link Aggregation Control Protocol (LACP),port based access control,Multicast VLAN Registration (MVR),port isolation,static routing,Strict Priority (SP),SNMP support,system log,Link Aggregation,dual image support,fast leave,Authentication,Authorization and Accounting (AAA),Static Link Aggregation,1 fan,Voice VLAN,Private VLAN,VLAN group,Zero-touch provisioning (ZTP),Denial of Service (DoS) protection,MAC based VLAN,MAC Access Bypass (MAB),DHCP filtering,schedule reboot,IPv4 and IPv6 dual stack,IGMP support,device discovery
Compliant Standards	IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1x,IEEE 802.1s,IEEE 802.3ah
RAM	256 MB
Flash Memory	32 MB
Status Indicators	Port status,power,system

Expansion / Connectivity

Interfaces	16 x 10 Gigabit Ethernet / 10 Gigabit Ethernet SFP+ RJ-45 1 x console RJ-45 1 x micro-USB Type B
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Power

Power Device	External power adapter
Power Provided	AC 100-240 V
Voltage Required	(50/60 Hz)

Miscellaneous

Compliant Standards	FCC,RoHS
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Software / System Requirements

Software Included	Omada Controller
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Dimensions & Weight

Width	44 cm
Depth	22 cm
Height	4.4 cm

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	10 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

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