



TP-Link TL-SX3016F network switch Managed L2/L2+ Black

Brand : TP-Link

Product code: TL-SX3016F

Product name : TL-SX3016F

- 16x Full 10GE SFP+ Slots: Lightning-fast full 10 Gbps SFP+ slots provide high-bandwidth aggregation connectivity and non-blocking 320 Gbps switching capacity
 - 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
 - Dual Redundant Power Supplies: Two power supplies backing each other up make it an ideal choice for reliable networking architecture
 - Centralized Cloud Management: Integrates into Omada SDN for cloud access and remote management
 - Standalone Management: Web, CLI (Console Port, Telnet, SSH), SNMP, RMON, and Dual Image bring powerful management capabilities
- 320 Gbps, 238.08 Mpps, 16x 10G SFP+, RJ-45, Micro-USB, 440 x 220 x 44 mm



Management features		Security	
Switch type *	Managed	BPDU filtering/protection	✓
Switch layer	L2/L2+	IP-MAC-Port binding	✓
Quality of Service (QoS) support	✓	Authentication	Guest VLAN, MAC-based authentication, Port-based authentication, Web-based authentication
Web-based management	✓	Authentication type	AAA, TACACS+
Cloud-managed	✓	Queue scheduling algorithms	SP, WRR+SP, Weighted Round Robin (WRR)
Traffic classification	✓	Multicast features	
ARP inspection	✓	Multicast support	✓
Configuring Location Settings (CLI)	✓	Multicast Listener Discovery (MLD) snooping	✓
System event log	✓	Protocols	
MIB support	RFC2925, RFC2618, RFC2620, RFC2021, RFC2819, RFC2674, RFC1493, RFC1643, RFC2233, RFC1213	Management protocols	SNMPv1/v2c/v3, SNMP
Ports & interfaces		IPv4 & IPv6 features	IPv6 Telnet, IPv6 ping, IPv6 tracer
Basic switching RJ-45 Ethernet ports type *	✗	Design	
SFP+ module slots quantity	16	Rack mounting *	✓
Console port	RJ-45/Micro-USB	Product colour	Black
Power connector	DC-in jack	LED indicators	✓
Network		Certification	CE, FCC, RoHS
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3x	Power	
10G support *	✓	Power source *	AC
Port mirroring	✓	Power supply included *	✓
IP routing	✓	AC input voltage	100 - 240 V
Flow control support	✓	AC input frequency	50 - 60 Hz
Link aggregation	✓	Power consumption (max)	32.74 W
Broadcast storm control	✓	Power over Ethernet (PoE)	
Rate limiting	✓	Power over Ethernet (PoE) *	✗
Spanning tree protocol	✓	Operational conditions	
Head-of-line (HOL) blocking	✓	Operating temperature (T-T)	0 - 45 °C
VLAN support	✓		

Network		Operational conditions	
Virtual LAN features	Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Storage temperature (T-T)	-40 - 70 °C
Number of VLANs	4000	Operating relative humidity (H-H)	10 - 90%
Data transmission		Storage relative humidity (H-H)	5 - 90%
Switching capacity *	320 Gbit/s	Heat dissipation	111.71 BTU/h
Forwarding rate	238.08 Mpps	Weight & dimensions	
MAC address table *	32000 entries	Width	440 mm
Number of queues	8	Depth	220 mm
Static route	✓	Height	44 mm
Jumbo frames support	✓	Packaging data	
Jumbo frames	9000	Cables included	AC
Security		Quick start guide	✓
DHCP features	DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping	Manual	✓
Access Control List (ACL)	✓	Package type	Box
IGMP snooping	✓	Rack mount kit	✓
Security algorithms	HTTPS, SSH, SSH-2, SSL/TLS	Package width	528 mm
MAC address filtering	✓	Package depth	336 mm
Static port security	✓	Package height	100 mm
SSH/SSL support	✓	Package weight	3.7 kg
Loop protection	✓	Logistics data	
		Harmonized System (HS) code	85176990



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