TL-SX3016F

TP -LINK TL-SX3016F JETSTREAM 16-PORT 10GE SFP+ L2+ MANAGED SWITCH

Specifications

Model	TL-SX3016F
Brand	Tp-Link
Port say?	16 Port
Tip	Managed
Port sür?ti	1000mb/s

KEY FEATURES

HARDWARE FEATURES

Interface	• 16× 10GE SFP+ Slots
	• 1× RJ45 Console Port
	• 1× Micro-USB Console Port
Fan Quantity	1
Power Supply	100-240 V AC~50/60 Hz
Dimensions (W x D x H)	17.3 × 8.7 × 1.7 in (440 × 220 × 44 mm)
Mounting	Rack Mountable
Max Power Consumption	32.74 W (220 V / 50 Hz)
Max Heat Dissipation	111.71 BTU/hr (220 V / 50 Hz)

PERFORMANCE

Switching Capacity	320 Gbps
Packet Forwarding Rate	238.08 Mpps
MAC Address Table	32 K
Packet Buffer Memory	24 Mbit
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
L3 Features	• 128 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

SOFTWARE FEATURES

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**
Advanced Features	• **Automatic Device Discovery** • **Batch Configuration** • **Batch Firmware Upgrading** • **Intelligent Network Monitoring** • **Abnormal Event Warnings** • **Unified Configuration** • **Reboot Schedule**
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**
	• **Time-based ACL** • **MAC ACL**