



DESCRIPTION

10G Uplink Managed Switch with Full Fiber Ports
JetStream 24-Port SFP L2+ Managed Switch with 4 10GE SFP+ Slots

10G Lightning-Fast Uplink Connection
4× 10 Gbps SFP+ Slots for High-Bandwidth Connectivity

Gigabit Fiber Connections
20× gigabit SFP ports and 4× SFP/RJ45 Combo Ports Offer Flexible and Reliable Connections

Centralized Cloud Management
SDN Solutions Integration for a Highly Efficient Network

Advanced L2+ Features
Static Routing, IGMP Snooping, 802.1Q VLAN and More

Full Fiber Switch with Lightning-Fast 10G
Build and expand your lightning-fast network with TP-Link TL-SG3428XFa fully managed switch with 20× gigabit SFP ports, 4× gigabit SFP/RJ45 combo ports, and 4× 10G SFP+ ports. Being ideal for any business network, it meets and surpasses the needs for high-speed, reliable, and safe enterprise networks.

Seamless Integration to Omada Cloud SDN
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.

Dual Redundant Power Supplies
Two power supplies back each other up and makes an ideal choice for reliable networking architecture.

Advanced L3 Features
An abundance of L2+ and L3 features are supported to help build a highly scalable and robust network, providing a reliable and efficient solution for enterprises, campuses and ISPs.

Secure Networking

Our high-quality security features defend against a range of network threats. They include IP-MAC-Port-VID Binding, Port Security, Storm Control, and DHCP Snooping. An integrated list of common DoS attacks makes it easier to prevent them. The Access Control Lists (ACL, L2 to L4) restrict access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports, or VLAN ID. User access to the network can be controlled through 802.1X authentication to grant access according to valid user credentials.

Enterprise Level Features

802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, and 802.3x Flow Control are supported by the lineup of innovative L2+ features. Advanced IGMP Snooping ensures the switch intelligently forwards multicast streams to appropriate subscribers and reduces unnecessary traffic. IGMP throttling & filtering restrict subscribers at the port level to prevent unauthorized multicast access. Static Routing segments the network to route traffic efficiently.

Advanced Quality of Service (QoS)

Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS, voice and video services remain smooth, even in low bandwidth situations.

ISP Features**

Internet Service Providers (ISPs) get the support they need with features including sFlow, QinQ, L2PT, PPPoE ID Insertion, and IGMP authentication. 802.3ah OAM and Device Link Detection Protocol (DLDP) provide straightforward monitoring and troubleshooting of Ethernet links across the entire network.

IPv6 Support

An enormous variety of IPv6 functions guarantees your network will be ready for the Next Generation Network (NGN) without needing to upgrade your hardware. Take advantage of features to enhance your network environment, including Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery, and IPv6 Neighbor Discover.

TECHNICAL CHARACTERISTICS

Brand : TP-LINK
Part number : SG3428XF
10G support : Y
Access Control List (ACL) : Y
Active link detection : Y
ARP inspection : Y
Authentication : Auto VLAN, MAC-based authentication
Authentication type : RADIUS, TACACS+
Basic switching RJ-45 Ethernet ports type : None
BPDU filtering/protection : Y
Broadcast storm control : Y
Cables included : AC
Cloud-managed : Y
Combo SFP ports quantity : 4
Configuring Location Settings (CLI) : Y
Console port : RJ-45/Micro-USB
Depth : 220 mm
DHCP features : DHCP client, DHCP relay, DHCP server
Ethernet LAN data rates : 10,100,1000,10000 Mbit/s
Fiber optic connector : SFP, SFP+
Fiber ports quantity : 20
Flow control support : Y

Form factor : 1U
Forwarding rate : 95.23 Mpps
Head-of-line (HOL) blocking : Y
Height : 44 mm
IGMP proxy : Y
IGMP snooping : Y
IP routing : Y
IP-MAC-Port binding : Y
Jumbo frames : 9
Jumbo frames support : Y
LED indicators : Y
Link aggregation : Y
Loop protection : Y
MAC address filtering : Y
MAC address table : 16000 entries
Manual : Y
MIB support : Y
Multicast support : Y
Networking standards : IEEE 802.11d, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.3x
Number of power supply units : 2
Operating relative humidity (H-H) : 10 - 90%
Operating temperature (T-T) : 0 - 45 °C
Packet buffer memory : 12 MB
Password protection : Y
Policy-based routing : Y
Port mirroring : Y
Power connector : AC-in jack
Power consumption (max) : 35.7 W
Power over Ethernet (PoE) : N
Power source : AC
Power supply included : Y
Product colour : Black
Quality of Service (QoS) support : Y
Queue scheduling algorithms : SP, WRR+SP, Weighted Round Robin (WRR)
Rack mount kit : Y
Rack mounting : Y
Rate limiting : Y
Redundant power supply (RPS) support : Y
Routing entries : 512
SFP+ module slots quantity : 4
Spanning tree protocol : Y
SSH/SSL support : Y
Static route : Y
Storage relative humidity (H-H) : 5 - 90%
Storage temperature (T-T) : -40 - 70 °C
Switch layer : L2+
Switch type : Managed
Switching capacity : 128 Gbit/s
System event log : Y
Virtual LAN features : Tagged VLAN
VLAN support : Y
Web-based management : Y
Width : 440 mm