ComX Computers
Product Specification Sheet

NET-TL-SG3428XF

TP-Link JetStream 24-Port SFP L2+ Managed Switch with 4x 10GE SFP+ Slots

Product Overview

TP-Link SG3428XF JetStream 24 Port SFP L2+ managed Switch with 4x 10GE SFP+ slots, 20x Gigabit SFP Ports, 4x Gigabit SFP/RJ45 combo Ports, 4x 10G SFP+ slots, 1x Micro-USB Console Port, 1 fan, Dual reduant Power supplies, Rack mountable, 128 Gbps switching capacity







Specifications

Overview:

TL-SG3428XF - JetStream 24-Port SFP L2+ Managed Switch with 4 10GE SFP+ Slots

- 10G Lightning-Fast Uplink: 4x 10 Gbps SFP+ slots enable high-bandwidth connectivity and non-blocking switching capacity.
- Gigabit Fiber Speeds: 20x gigabit SFP ports and 4x gigabit SFP/RJ45 Combo portss offer high-speed and reliable connections to other switches and devices.
- Integrated into Omada SDN : Zero-Touch Provisioning (ZTP), Centralized Cloud Management, and Intelligent Monitoring.
- Centralized Management : Cloud access and Omada app for ultra convenience and easy management.
- Static Routing : Helps route internal traffic for more efficient use of network resources.
- Robust Security Strategies : IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm control, DHCP Snooping, 802.1X, Radius Authentication, and more.
- Optimize Voice and Video Applications : L2/L3/L4 QoS and IGMP snooping.
- Standalone Management : Web, CLI (Console Port, Telnet, SSH), SNMP, RMON, and Dual Image bring powerful

management capabilities

Features:

10G UplinkManaged Switchwith Full Fiber Ports

JetStream 24-Port SFP L2+ Managed Switch with 4 10GE SFP+ Slots

TL-SG3428XF

- 10G Lightning-Fast Uplink Connection4x 10 Gbps SFP+ Slots for High-Bandwidth Connectivity
- Gigabit Fiber Connections20x gigabit SFP ports and 4x SFP/RJ45 Combo Ports Offer Flexible and Reliable Connections
- Centralized Cloud ManagementSDN Solutions Integration for a Highly Efficient Network
- Advanced L2+ FeaturesStatic 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-SG3428XF- a fully managed switch with 20x gigabit SFP ports, 4x gigabit SFP/RJ45 combo ports, and 4x 10G SFP+ ports. Being ideal for any business network, it meets and surpasses the needs for high-speed, reliable, and safe enterprise networks.

- 1x RJ45 Console Port
- 1x Micro-USB Console Port
- 20x Gigabit SFP Fiber Ports, 4x Gigabit SFP/RJ45 Combo Ports
- 4x10G SFP+ Fiber Ports

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.

Specifications:

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Specifications	
Product Code	NET-TL-SG3428XF
HARDWARE FEATURES	
Interface	20 x Gigabit SFP Ports
	4 x Gigabit SFP/RJ45 Combo Ports
	4 x 10G SFP+ Slots
	1 x RJ45 Console Port
	1 x Micro-USB Console Port
Fan Quantity	1 Fan
Power Supply	Dual Reduant Power Supplies
	100-240 V AC~50/60 Hz

Dimensions (W x D x H)	17.3 x 8.7 x 1.7 in (440 x 220 x 44 mm)
Mounting	Rack Mountable
Max Power Consumption	35.7 W (110 V/60 Hz)
Max Heat Dissipation	121.81 BTU/hr (110 V/60 Hz)
PERFORMANCE	
Switching Capacity	128 Gbps
Packet Forwarding Rate	95.23 Mpps
MAC Address Table	16 K
Packet Buffer Memory	12 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

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

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

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

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

Advanced Features	Automatic Device Discovery
	Batch Configuration
	Batch Firmware Upgrading
	Intelligent Network Monitoring
	Abnormal Event Warnings
	Unified Configuration
	Reboot Schedule
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
MANAGEMENT	
Omada App	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.
Centralized Management	Omada Cloud-Based Controller
	Omada Hardware Controller (OC300)
	Omada Hardware Controller (OC200)
	Omada Software Controller
Cloud Access	Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller.
Zero-Touch Provisioning	Yes. Requiring the use of Omada Cloud-Based Controller.

Management Features	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
OTHERS	
Certification	CE, FCC, RoHS
Package Contents	TL-SG3428XF Switch
	Power Cord
	Quick Installation Guide
	Rackmount Kit
	Rubber Feet
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista or Windows 7 / 8 / 10 / 11, MAC OS, NetWare, UNIX or Linux.
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/NET-TL-SG3428XF-TP-Link-JetStream-24-Port-SFP-L2-Managed-Switch-with-4x-10GE-SFP-p-299636.php

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