

NET-TL-SG3428X

TP-Link TL-SG3428X JetStream 24-Port Gigabit L2 Managed Switch with 4 10GE SFP Slots

Product Overview

TP-Link TL-SG3428X JetStream 24-Port Gigabit L2 Managed Switch with 4 10GE SFP Slots



Specifications

Features:

- 10G Lightning-Fast Uplink: 4x 10 Gbps SFP slots enable high-bandwidth connectivity and non-blocking switching capacity.
- Gigabit Speeds: 24x gigabit RJ45 ports 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

Specifications:

HARDWARE FEATURES	
Interface	24x 10/100/1000 Mbps RJ45 Ports
	4x 10G SFP Slots
	1x RJ45 Console Port
	1x Micro-USB Console Port
Fan Quantity	Fanless
Power Supply	100-240 V AC~50/60 Hz
Dimensions (W x D x H)	17.3 x 7.1 x 1.7 in (440 x 180 x 44 mm)
Mounting	Rack Mountable
Max Power Consumption	23.6 W (110V/60Hz)

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Max Heat Dissipation	80.353 BTU/h (110 V/60 Hz)
PERFORMANCE	
Switching Capacity	128 Gbps
Packet Forwarding Rate	95.23 Mpps
MAC Address Table	16 K
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

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VLAN	VLAN Group
	- Max 4K VLAN Groups
	802.1Q Tagged VLAN
	MAC VLAN: 7 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 and accountability
	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

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Management	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
Advanced Features	Support Omada Hardware Controller (OC200/OC300), Software Controller, Cloud-Based Controller
	Automatic Device Discovery
	Batch Configuration
	Batch Firmware Upgrading
	Intelligent Network Monitoring
	Abnormal Event Warnings
	Unified Configuration
	Reboot Schedule
	ZTP (Zero-Touch Provisioning)
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

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OTHERS	
Certification	CE, FCC, RoHS
Package Contents	TL-SG3428X Switch
	Power Cord
	Quick Installation Guide
	Rackmount Kit
	Rubber Feet
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.co.za/NET-TL-SG3428X-TP-Link-TL-SG3428X-JetStream-24-Port-Buy-p-260026.php>

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