

TP-Link JetStream 24-Port 2.5GBASE-T and 4-Port 10GE SFP+ L2+ Managed Switch with 16-Port PoE+ & 8-Port PoE++

Gamintojas: **TP-LINK** · Modelis: **TL-SG3428XPP-M2** · EAN: **4897098689769** · Prekės kodas: **716579**



1 033,90 €

Kaina su PVM

Be PVM: **854,46 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt

Pagrindinės savybės

- ✓ 2.5G PoE++/PoE+ Ports for WiFi 7/6E/6: 24x 2.5 Gbps ports smash the 2.5G barrier and unlock the full potential of WiFi 7/6E/6 APs
- ✓ 10G Lightning-Fast Uplink: 4x 10 Gbps SFP+ slots enable high-bandwidth connectivity and non-blocking switching capacity
- ✓ 500 W PoE Budget: 8x 802.3bt/at/af/-compliant PoE++ and 16x 802.3at/af-compliant PoE+ ports with a total power supply of 500 W
- ✓ 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



Aprašymas

Ultrafast 2.5G PoE++/PoE+ Managed Switch with 10G Uplink for Futuristic Network

2.5G PoE++/PoE+ Ports for WiFi 7/6E/6

24x 2.5 Gbps Ports Unlock the Full Potential of WiFi 7/6E/6 APs

10G Lightning-Fast Uplink Connection

4x 10 Gbps SFP+ Slots for High-Bandwidth Connectivity

PoE++/PoE+ Output

8 PoE++ and 16 PoE+ Ports with Total 500 W Power Budget.

Centralized Cloud Management

SDN Solutions Integration for a Highly Efficient Network

Unlock the Full Potential of WiFi 7/6E/6 with Multi-Gigabit PoE++/PoE+ Ports

Featuring 8x PoE++ and 16x PoE+ 2.5G ports, the switch is capable of future network expansion and deployment, providing sufficient bandwidth for incoming WiFi 7/6E/6 APs. Designed to use a single Ethernet cable for both data and power transmission, it supports up to 500 W total PoE power budget* and flexible installation to fit in various application scenarios.

Enterprise Switch with 10G Uplink

4x 10 Gbps SFP+ slots provide non-blocking switching performance and ultra-low latency, so reliable and lightning-fast connections to server and other switches are easily built.

Software Defined Networking (SDN) with Cloud Access

Omada's Software Defined Networking (SDN) platform integrates network devices, including access points, switches and gateways, 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.

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

Security features include IP-MAC-Port-VID Binding, Port Security, Storm Control and DHCP Snooping to defend against a range of network threats. An integrated list of common DoS attacks is available, making it easier than ever to prevent them. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports or VLAN ID. Users' network access can be controlled via 802.1X authentication, which works with a RADIUS/Tacacs+ server to grant access only when valid user credentials are provided.

Enterprise Level Features

A complete lineup of L2+ features are supported, including 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, and 802.3x Flow Control. Advanced IGMP Snooping ensures the switch intelligently forwards multicast streams to only the appropriate subscribers, cutting out unnecessary traffic, while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Static Routing is a simple way of segmenting the network and internally routes traffic through the switch for improved efficiency.

Advanced QoS

Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, and more. With QoS (Quality of Service), voice and video services remain smooth, even when bandwidth is in short supply.

ISP Features

QinQ, L2PT PPPoE ID Insertion and IGMP authentication features are provided, developed with service providers in mind. 802.3ah OAM and Device Link Detection Protocol (DLDP) offer easy monitoring and troubleshooting of Ethernet links.

IPv6 Support

IPv6 functions such as Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor Discover guarantee your network is ready for the Next Generation Network (NGN) without upgrading your hardware.

Techninė specifikacija

Specifications	
Sandėlio grupė	Networking [+782][-3085]
Management features	
Switch type	Managed
Switch layer	L2+
Quality of Service (QoS) support	Yes
Web-based management	Yes
Cloud-managed	Yes
ARP inspection	Yes
Configuring Location Settings (CLI)	Yes
System event log	Yes
MIB support	RFC1213, RFC2233, RFC1643, RFC1493, RFC2674, RFC2819, RFC2021, RFC2620, RFC2618, RFC2925
Ports & interfaces	
Basic switching RJ-45 Ethernet ports quantity	24
Basic switching RJ-45 Ethernet ports type	2.5G Ethernet (100/1000/2500)
Installed SFP modules quantity	0
Installed SFP+ modules quantity	0
2.5G Ethernet (copper) ports quantity	24
SFP+ module slots quantity	4
Console port	RJ-45/Micro-USB
Network	

Networking standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3bz, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
10G support	Yes
Port mirroring	Yes
Full duplex	Yes
Half duplex	Yes
Flow control support	Yes
Link aggregation	Yes
Broadcast storm control	Yes
Rate limiting	Yes
Spanning tree protocol	Yes
Head-of-line (HOL) blocking	Yes
Ethernet LAN data rates	10,100,1000,2500,10000 Mbit/s
IPv4 routes	48
IPv6 routes	48
VLAN support	Yes
Virtual LAN features	MAC address-based VLAN, Port-based VLAN, Protocol-based VLAN, Stacked VLAN, Tagged VLAN, Voice VLAN
Data transmission	
MAC address table	32000 entries
Switching capacity	200 Gbit/s
Forwarding rate	148.8 Mpps
Store-and-forward	Yes
Number of queues	8
Static route	Yes
Number of static routes	48
Number of IP interfaces	32
Jumbo frames support	Yes
Jumbo frames	9000
Packet buffer memory	16 MB
Security	
DHCP features	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping
Access Control List (ACL)	Yes
IGMP snooping	Yes

Security algorithms	HTTPS, SSH, SSH-2, SSL/TLS
Static port security	Yes
SSH/SSL support	Yes
Loop protection	Yes
BPDU filtering/protection	Yes
IP-MAC-Port binding	Yes
Authentication	Guest VLAN, MAC-based authentication, Port-based authentication
Password protection	Yes
Authentication type	AAA, IEEE 802.1x, RADIUS, TACACS+
Queue scheduling algorithms	SP, WRR+SP, Weighted Round Robin (WRR)
Multicast features	
Multicast support	Yes
Multicast Listener Discovery (MLD) snooping	MLD v1/v2
Protocols	
Management protocols	SNMP v1/v2c/v3
GARP VLAN Registration Protocol (GVRP)	Yes
IPv4 & IPv6 features	IPv4/IPv6 access-control list (ACL), IPv6 ping, IPv6 portal, IPv6 tracert
Design	
Rack mounting	Yes
Form factor	1U
Product colour	Black
LED indicators	Yes
Redundant fans support	Yes
Number of fans	3 fan(s)
Performance	
Memory type	DRAM
Internal memory	256 MB
Flash memory	32 MB
Power	
Power source	AC/PoE
Power supply included	Yes
Redundant power supply (RPS) support	Yes
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz

Power consumption (max)	629.1 W
Power over Ethernet (PoE)	
Power over Ethernet (PoE)	Yes
Power over Ethernet plus (PoE+) ports quantity	16
Power over Ethernet 4PPoE (PoE++) ports quantity	8
Total Power over Ethernet (PoE) budget	500 W
Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%
Heat dissipation	2153.45 BTU/h
Weight & dimensions	
Width	440 mm
Depth	330 mm
Height	44 mm
Packaging content	
Cables included	AC
Quick start guide	Yes
Rack mount kit	Yes
Packaging data	
Package width	528 mm
Package depth	440 mm
Package height	100 mm
Package weight	6.1 kg
Certificates	
Compliance certificates	CE, Federal Communications Commission (FCC), RoHS
Sustainability	
Sustainability compliance	Yes
Matmenys ir svoris	
Matmenys (I × P × A)	44,00cm × 53,00cm × 10,00cm
Svoris	7,10kg