tp-link

TP-Link JetStream 28-Port Gigabit Smart PoE Switch with 24-Port PoE+

Brand : TP-Link

Product name : JetStream 28-Port Gigabit Smart PoE Switch with 24-Port PoE+

Product code: TL-SG2428P

24x 1G RJ-45, 4x 1G SFP, 56 Gbps, 41.7 Mpps, QoS, VLAN, 440x220x44 mm

TP-Link JetStream 28-Port Gigabit Smart PoE Switch with 24-Port PoE+:

Realize More Possibilities with Omada
JetStream 28-Port Gigabit Smart Switch with 24-Port PoE+

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.

Management features

Switch type *	Managed
Switch layer	L2/L2+
Quality of Service (QoS) support	✓
Web-based management	✓
ARP inspection	✓
System event log	✓

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	24
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
Fiber ports quantity	4
Fiber optic connector	SFP

Network

Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
10G support *	✗
Copper ethernet cabling technology	10BASE-T, 10BASE-TX
Cable types supported	Cat3, Cat4, Cat5, Cat5e
Port mirroring	✓
Flow control support	✓
Broadcast storm control	✓
Rate limiting	✓
Auto MDI/MDI-X	✓
Spanning tree protocol	✓
Auto-negotiation	✓
VLAN support	✓
Virtual LAN features	MAC address-based VLAN, Protocol-based VLAN, Voice VLAN

Security

DHCP features	DHCP relay, DHCP server, DHCP snooping, DHCPv6 client
Access Control List (ACL)	✓
IGMP snooping	✓
Security algorithms	HTTPS, SNMP, SNMPv2, SNMPv3, SSH, SSH-2, SSL/TLS
Loop protection	✓
BPDU filtering/protection	✓
IP-MAC-Port binding	✓
Authentication type	RADIUS
Queue scheduling algorithms	SP, WRR+SP, Weighted Round Robin (WRR)

Multicast features

Multicast support	✓

Design

Rack mounting *	✓
Product colour	Black
Number of fans	2 fan(s)
Certification	CE, FCC, RoHS

Performance

Firmware upgradeable	✓

Power

Power consumption (max)	308.6 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✓
Power over Ethernet plus (PoE+) ports quantity	24

Operational conditions

Operating temperature (T-T)	0 - 50 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%

Network

Number of VLANs	4000

Optical fiber

Fiber ethernet cabling technology	1000BASE-X

Data transmission

Switching capacity *	56 Gbit/s
Forwarding rate	41.7 Mpps
MAC address table *	8000 entries
Number of queues	8
Jumbo frames support	✓
Jumbo frames	9000

Operational conditions

Storage relative humidity (H-H)	5 - 90%
Heat dissipation	1052.94 BTU/h

Weight & dimensions

Width	440 mm
Depth	220 mm
Height	44 mm

Packaging data

Cables included	AC
User guide	✓
Rack mount kit	✓

Logistics data

Harmonized System (HS) code	85176990

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