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

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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	✓
MIB support	✓

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	24
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
Gigabit Ethernet (copper) ports quantity	24
SFP module slots quantity	4

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, 1000BASE-T
Cable types supported	Cat3, Cat4, Cat5, Cat5e
Port mirroring	✓
Flow control support	✓
Link aggregation	✓
Broadcast storm control	✓
Rate limiting	✓
Spanning tree protocol	✓
VLAN support	✓

Security

BPDU filtering/protection	✓
IP-MAC-Port binding	✓
Authentication type	RADIUS
Queue scheduling algorithms	SP, WRR+SP, Weighted Round Robin (WRR)

Multicast features

Multicast support	✓

Protocols

Management protocols	SNMPv1/v2c/v3, SNTP

Design

Rack mounting *	✓
Form factor	1U
Product colour	Black
Number of fans	2 fan(s)
Certification	CE, FCC, RoHS

Performance

Firmware upgradeable	✓

Power

Power source *	AC
Power supply included *	✓
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power consumption (max)	291.9 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✓
Power over Ethernet plus (PoE+) ports quantity	24
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	250 W

Network

Virtual LAN features	MAC address-based VLAN, Protocol-based VLAN, Voice VLAN
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
Packet buffer memory	4.1 MB

Security

DHCP features	DHCP client, 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
SSH/SSL support	✔

Operational conditions

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