tp-link

TP-Link Omada SG3428XPP-M2 dispositivo de redes Gestionado L2+ 2.5G Ethernet (100/1000/2500) Energía sobre Ethernet (PoE) 1U Negro

Marca : TP-Link

Familia de productos: Omada

Código del producto: SG3428XPP-M2

Nombre del producto :
SG3428XPP-M2

TP-Link Omada SG3428XPP-M2. Tipo de interruptor: Gestionado, Capa del interruptor: L2+. Puertos tipo básico de conmutación RJ-45 Ethernet: 2.5G Ethernet (100/1000/2500), Cantidad de puertos básicos de conmutación RJ-45 Ethernet: 24, Puerto de consola: RJ-45/Micro-USB. Bidireccional completo (Full duplex). Tabla de direcciones MAC: 32000 entradas, Capacidad de conmutación: 200 Gbit/s. Estándares de red: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE.... Energía sobre Ethernet (PoE). Montaje en rack, Factor de forma: 1U

Management features

Switch type *	Managed
Switch layer	L2+
Quality of Service (QoS) support	✔
Web-based management	✔
Cloud-managed	✔
ARP inspection	✔
Configuring Location Settings (CLI)	✔
System event log	✔
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)
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 *	✔
Port mirroring	✔
Full duplex	✔
Half duplex	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
Head-of-line (HOL) blocking	✔

Security

Authentication	Guest VLAN, MAC-based authentication, Port-based authentication
Password protection	✔
Authentication type	AAA, IEEE 802.1x, RADIUS, TACACS+
Queue scheduling algorithms	SP, WRR+SP, Weighted Round Robin (WRR)

Multicast features

Multicast support	✔
Multicast Listener Discovery (MLD) snooping	MLD v1/v2

Protocols

Management protocols	SNMP v1/v2c/v3
GARP VLAN Registration Protocol (GVRP)	✔
IPv4 & IPv6 features	IPv4/IPv6 access-control list (ACL), IPv6 ping, IPv6 portal, IPv6 tracert

Design

Rack mounting *	✔
Form factor	1U
Product colour	Black
LED indicators	✔
Redundant fans support	✔
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 *	✔
Redundant power supply (RPS) support	✔
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power consumption (max)	629.1 W

Network

Ethernet LAN data rates	10,100,1000,2500,10000 Mbit/s
IPv4 routes	48
IPv6 routes	48
VLAN support	✔
Virtual LAN features	MAC address-based VLAN, Port-based VLAN, Protocol-based VLAN, Stacked VLAN, Tagged VLAN, Voice VLAN

Data transmission

Switching capacity *	200 Gbit/s
Forwarding rate	148.8 Mpps
MAC address table *	32000 entries
Store-and-forward	✔
Number of queues	8
Static route	✔
Number of static routes	48
Number of IP interfaces	32
Jumbo frames support	✔
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)	✔
IGMP snooping	✔
Security algorithms	HTTPS, SSH, SSH-2, SSL/TLS
Static port security	✔
SSH/SSL support	✔
Loop protection	✔
BPDU filtering/protection	✔
IP-MAC-Port binding	✔

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
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	✔
Rack mount kit	✔

Sustainability

Sustainability compliance	✔

Certificates

Compliance certificates	CE, Federal Communications Commission (FCC), RoHS

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