TP-Link Omada SG3428XPP-M2 Netzwerk-Switch Managed L2+ 2.5G Ethernet (100/1000/2500) Power over Ethernet (PoE) 1U Schwarz



Marke : TP-Link **Produktfamilie:** Omada **Artikel-Code:** SG3428XPP-M2

Produktname : SG3428XPP-M2

TP-Link Omada SG3428XPP-M2. Switch-Typ: Managed, Switch-Ebene: L2+. Basic Switching RJ-45 Ethernet Ports-Typ: 2.5G Ethernet (100/1000/2500), Anzahl der basisschaltenden RJ-45 Ethernet Ports: 24, Konsolen-Port: RJ-45/Micro-USB. Vollduplex. MAC-Adressentabelle: 32000 Eintragungen, Routing-/Switching-Kapazität: 200 Gbit/s. Netzstandard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE.... Power over Ethernet (PoE). Rack-Einbau, Formfaktor: 1U

Management-Funktionen	
Switch-Typ *	Managed
Switch-Ebene	L2+
Quality of Service (QoS) Support	✔
Web-basiertes Management	✔
Cloud-verwaltet	✔
ARP-Inspektion	✔
Konfiguration der Standorteinstellungen (CLI)	✔
Systemereignisprotokoll	✔
MIB Unterstützung	RFC1213, RFC2233, RFC1643, RFC1493, RFC2674, RFC2819, RFC2021, RFC2620, RFC2618, RFC2925

Anschlüsse und Schnittstellen	
Anzahl der basisschaltenden RJ-45 Ethernet Ports *	24
Basic Switching RJ-45 Ethernet Ports-Typ *	2.5G Ethernet (100/1000/2500)
Anzahl 2.5G Ethernet (Kupfer)-Ports	24
Menge Modul-Steckplätze SFP+	4
Konsolen-Port	RJ-45/Micro-USB

Netzwerk	
Netzstandard *	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-Unterstützung *	✔
Port-Spiegelung	✔
Vollduplex	✔
Halb-Duplex	✔
Unterstützung Datenflusssteuerung	✔
Link Aggregation	✔
Broadcast-Sturmkontrolle	✔
Ratenbeschränkung	✔
Spannbaum-Protokoll	✔
Head-of-Line (HOL)-Blocking	✔

Sicherheit	
IP-MAC-Portbindung	✔
Authentifizierung	Gast VLAN, MAC-basierte Authentifizierung, Port-basierte Authentifizierung
Passwortschutz	✔
Autentifizierungstyp	AAA, IEEE 802.1x, RADIUS, TACACS+
Warteschleifenplanungs-Algorithmen	SP, WRR+SP, Weighted Round Robin (WRR)

Multicast-Funktionen	
Multicast Unterstützung	✔
Multicast Listener Discovery (MLD) Snooping	MLD v1/v2

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

Design	
Rack-Einbau *	✔
Formfaktor	1U
Produktfarbe	Schwarz
LED-Anzeigen	✔
Ungenutzter Lüfter-Support	✔
Anzahl Lüfter	3 Lüfter

Leistungen	
Speichertyp	DRAM
Speicherkapazität	256 MB
Flash-Speicher	32 MB

Energie	
Energiequelle *	AC/PoE
Netzteil enthalten *	✔
Unterstützung für redundantes Netzteil	✔
AC Eingangsspannung	100 - 240 V
AC Eingangsfrequenz	50/60 Hz
Stromverbrauch (max.)	629,1 W

Netzwerk	
Ethernet LAN Datentransferraten	10,100,1000,2500,10000 Mbit/s
IPv4-Routen	48
IPv6-Routen	48
VLAN-Unterstützung	✔
Virtuelle LAN-Funktionen	MAC address-based VLAN, Port-based VLAN, Protocol-based VLAN, Stacked VLAN, Tagged VLAN, Voice VLAN

Datenübertragung	
Routing-/Switching-Kapazität *	200 Gbit/s
Transferrate	148,8 Mpps
MAC-Adressentabelle *	32000 Eintragungen
Store-and-Forward	✔
Anzahl Queues	8
Statische Route	✔
Anzahl der statischen Routen	48
Anzahl IP-Schnittstellen	32
Jumbo Frames Unterstützung	✔
Jumbo-Frames	9000
Datenpaket-Pufferspeicher	16 MB

Sicherheit	
DHCP-Funktionen	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping
Zugriffkontrollliste	✔
IGMP-Snooping	✔
Unterstützte Sicherheitsalgorithmen	HTTPS, SSH, SSH-2, SSL/TLS
Statische Anschlusssicherheit	✔
SSH-/SSL-Unterstützung	✔
Loop Protection	✔
BPDU-Filterung/Schutz	✔

Power over Ethernet (PoE)	
Power over Ethernet (PoE) *	✔
Anzahl Power over Ethernet plus (PoE+) Anschlüsse	16
Anzahl der Power over Ethernet 4PPoE- (PoE++) Anschlüsse	8
Gesamtleistung Power over Ethernet (PoE)	500 W

Betriebsbedingungen	
Betriebstemperatur	0 - 40 °C
Temperaturbereich bei Lagerung	-40 - 70 °C
Relative Luftfeuchtigkeit in Betrieb	10 - 90%
Luftfeuchtigkeit bei Lagerung	5 - 90%
Wärmeableitung	2153,45 BTU/h

Gewicht und Abmessungen	
Breite	440 mm
Tiefe	330 mm
Höhe	44 mm

Lieferumfang	
Mitgelieferte Kabel	AC
Schnellstartübersicht	✔
Rackmontageset	✔

Nachhaltigkeit	
Nachhaltigkeitskonformität	✔

Zertifikate	
Konformitätsbescheinigungen	CE, Eidgenössische Kommunikationskommission (FCC), RoHS

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