



# TP-Link Omada SG3218XP-M2 Netzwerk-Switch Managed L2+ 2.5G Ethernet (100/1000/2500) Power over Ethernet (PoE) 1U Schwarz

Marke : TP-Link

Produktfamilie: Omada

Artikel-Code: SG3218XP-M2

Produktname : SG3218XP-M2



TP-Link Omada SG3218XP-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: 16, Konsolen-Port: RJ-45/Micro-USB. MAC-Adressentabelle: 16000 Eintragungen, Routing-/Switching-Kapazität: 120 Gbit/s. Netzstandard: IEEE 802.1D, IEEE 802.1s, IEEE 802.1w. Netzstecker: AC-Eingangsbuchse. Power over Ethernet (PoE). Rack-Einbau, Formfaktor: 1U



Management-Funktionen		Sicherheit	
Switch-Typ *	Managed	BPDU-Filterung/Schutz	✓
Switch-Ebene	L2+	IP-MAC-Portbindung	✓
Quality of Service (QoS) Support	✓	Authentifizierung	MAC-basierte Authentifizierung, Port-basierte Authentifizierung
Web-basiertes Management	✓	Passwortschutz	✓
Cloud-verwaltet	✓	Autentifizierungstyp	AAA, TACACS+
ARP-Inspektion	✓	Warteschleifenplanungs-Algorithmen	SP, WRR+SP, Weighted Round Robin (WRR)
Konfiguration der Standorteinstellungen (CLI)	✓		
Systemereignisprotokoll	✓		
MIB Unterstützung	MIB II (RFC1213), Interface MIB (RFC2233), Ethernet Interface MIB (RFC1643), Bridge MIB (RFC1493), P/Q-Bridge MIB (RFC2674), RMON MIB (RFC2819), RMON2 MIB (RFC2021), Radius Accounting Client MIB (RFC2620), Radius Authentication Client MIB (RFC2618), Remote Ping, Traceroute MIB (RFC2925), Support TP-Link private MIB		
Anschlüsse und Schnittstellen		Multicast-Funktionen	
Anzahl der basisschaltenden RJ-45 Ethernet Ports *	16	Multicast Unterstützung	✓
Basic Switching RJ-45 Ethernet Ports-Typ *	2.5G Ethernet (100/1000/2500)	Multicast Listener Discovery (MLD) Snooping	✓
Menge Modul-Steckplätze SFP+	2		
Konsolen-Port	RJ-45/Micro-USB		
Netzstecker	AC-Eingangsbuchse		
Netzwerk		Protokolle	
Netzstandard *	IEEE 802.1D, IEEE 802.1s, IEEE 802.1w	Management-Protokolle	SNMP v1/v2c/v3, SNTp
10G-Unterstützung *	✓	GARP VLAN Registration Protocol (GVRP)	✓
Port-Spiegelung	✓		
IP-Routing	✓		
Unterstützung Datenflusssteuerung	✓		
		Design	
		Rack-Einbau *	✓
		Formfaktor	1U
		Produktfarbe	Schwarz
		LED-Anzeigen	✓
		Anzahl Lüfter	2 Lüfter
		Zertifizierung	CE, FCC, RoHS
		Technische Details	
		Konformitätsbescheinigungen	Eidgenössische Kommunikationskommission (FCC), RoHS
		Energie	
		Energiequelle *	AC
		Netzteil enthalten *	✓
		AC Eingangsspannung	100 - 240 V
		AC Eingangsfrequenz	50/60 Hz

Netzwerk		Energie	
Link Aggregation	✓	Stromverbrauch (max.)	299,4 W
Broadcast-Sturmkontrolle	✓	<b>Power over Ethernet (PoE)</b>	
Ratenbeschränkung	✓	Power over Ethernet (PoE) *	✓
Spannbaum-Protokoll	✓	Anzahl Power over Ethernet plus (PoE+) Anschlüsse	8
Head-of-Line (HOL)-Blocking	✓	Power over Ethernet (PoE) Leistung pro Anschluss	30 W
Ethernet LAN Datentransferraten	100,1000,2500 Mbit/s	Gesamtleistung Power over Ethernet (PoE)	240 W
VLAN-Unterstützung	✓	<b>Betriebsbedingungen</b>	
Virtuelle LAN-Funktionen	MAC address-based VLAN, Port-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Betriebstemperatur	0 - 50 °C
		Temperaturbereich bei Lagerung	-40 - 70 °C
<b>Datenübertragung</b>		Relative Luftfeuchtigkeit in Betrieb	10 - 90%
Routing-/Switching-Kapazität *	120 Gbit/s	Luftfeuchtigkeit bei Lagerung	5 - 90%
Transferrate	89,28 Mpps	Wärmeableitung	1021,64 BTU/h
MAC-Adressentabelle *	16000 Eintragungen	<b>Gewicht und Abmessungen</b>	
Statische Route	✓	Breite	440 mm
Anzahl der statischen Routen	48	Tiefe	180 mm
Anzahl IP-Schnittstellen	32	Höhe	44 mm
Jumbo Frames Unterstützung	✓	<b>Verpackungsdaten</b>	
Jumbo-Frames	9000	Mitgelieferte Kabel	AC
Datenpaket-Pufferspeicher	12 MB	Schnellstartübersicht	✓
<b>Sicherheit</b>		Verpackungsart	Box
DHCP-Funktionen	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping	<b>Nachhaltigkeit</b>	
Zugriffkontrollliste	✓	Nachhaltigkeitskonformität	✓
IGMP-Snooping	✓		
Unterstützte Sicherheitsalgorithmen	HTTPS, SSH, SSH-2, SSL/TLS		
MAC Adressen Filtern	✓		
Statische Anschlusssicherheit	✓		
SSH-/SSL-Unterstützung	✓		
Loop Protection	✓		



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