



TP-Link Omada SG3452XMPP network switch Managed L2+ Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black

Brand : TP-Link

Product family: Omada

Product code: SG3452XMPP

Product name : SG3452XMPP



- 4x 10 Gbps SFP+ slots
 - 8x Gigabit 802.af/at/bt PoE++ ports (Max 90 W PoE budget for each port)
 - 40x Gigabit 802.3af/at PoE+ ports (Max 30 W budget for each port)
 - 750 W total PoE budget*
 - Centralized cloud management via the web or the Omada app†
 - Standalone management via web, CLI, SNMP, and RMON
- 40x 10/100/1000 Mbps RJ45 PoE+, 4x 10G SFP+ Slots, 1x RJ45, 1x Micro-USB, 176 Gbps, MAC 16 K, 440 x 330 x 44 mm
- TP-Link Omada SG3452XMPP. Switch type: Managed, Switch layer: L2+. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 48, Console port: RJ-45/Micro-USB. MAC address table: 16000 entries, Switching capacity: 176 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3af, IEEE.... Power connector: AC-in jack. Power over Ethernet (PoE). Rack mounting, Form factor: 1U

Management features		Security	
Switch type *	Managed	BPDU filtering/protection	✓
Switch layer	L2+	IP-MAC-Port binding	✓
Quality of Service (QoS) support	✓	Authentication	Auto VLAN, Guest VLAN
Web-based management	✓	Multicast features	
Cloud-managed	✓	Multicast support	✓
ARP inspection	✓	Design	
Configuring Location Settings (CLI)	✓	Rack mounting *	✓
System event log	✓	Form factor	1U
Ports & interfaces		Product colour	Black
Basic switching RJ-45 Ethernet ports quantity *	48	Reset button	✓
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	LED indicators	✓
SFP+ module slots quantity	4	Number of fans	3 fan(s)
Console port	RJ-45/Micro-USB	Certification	CE, FCC, RoHS
Power connector	AC-in jack	Power	
Network		Power source *	AC
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3at, IEEE 802.3i, IEEE 802.3u, IEEE 802.3z	Power supply included *	✓
10G support *	✓	AC input voltage	100 - 240 V
Port mirroring	✓	AC input frequency	50/60 Hz
Flow control support	✓	Power consumption (max)	635.7 W
Link aggregation	✓	Power over Ethernet (PoE)	
Broadcast storm control	✓	Power over Ethernet (PoE) *	✓
Rate limiting	✓	Power over Ethernet plus (PoE+) ports quantity	40
Spanning tree protocol	✓	Power over Ethernet 4PPoE (PoE++) ports quantity	8
Head-of-line (HOL) blocking	✓	Power over Ethernet (PoE) power per port	30 W
VLAN support	✓	Total Power over Ethernet (PoE) budget	750 W
Data transmission		Operational conditions	
Switching capacity *	176 Gbit/s	Operating temperature (T-T)	0 - 40 °C

Data transmission		Operational conditions	
Forwarding rate	130.9 Mpps	Storage temperature (T-T)	-40 - 70 °C
MAC address table *	16000 entries	Operating relative humidity (H-H)	10 - 90%
Store-and-forward	✓	Storage relative humidity (H-H)	5 - 90%
Jumbo frames support	✓	Heat dissipation	2169.2 BTU/h
Jumbo frames	9000	Weight & dimensions	
Packet buffer memory	12 MB	Width	440 mm
Security		Depth	330 mm
DHCP features	DHCP client, DHCP relay, DHCP server	Height	44 mm
Access Control List (ACL)	✓	Packaging data	
IGMP snooping	✓	Cables included	AC
MAC address filtering	✓	Quick start guide	✓
Static port security	✓		
SSH/SSL support	✓		



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