



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	Power	
Power connector	AC-in jack	Power source *	AC
Network		Power supply included *	✓
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	AC input voltage	100 - 240 V
10G support *	✓	AC input frequency	50/60 Hz
Port mirroring	✓	Power consumption (max)	635.7 W
Flow control support	✓	Power over Ethernet (PoE)	
Link aggregation	✓	Power over Ethernet (PoE) *	✓
Broadcast storm control	✓	Power over Ethernet plus (PoE+) ports quantity	40
Rate limiting	✓	Power over Ethernet 4PPoE (PoE++) ports quantity	8
Spanning tree protocol	✓	Power over Ethernet (PoE) power per port	30 W
Head-of-line (HOL) blocking	✓	Total Power over Ethernet (PoE) budget	750 W
VLAN support	✓	Operational conditions	
Data transmission		Operating temperature (T-T)	0 - 40 °C
Switching capacity *	176 Gbit/s	Storage temperature (T-T)	-40 - 70 °C

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



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