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

- 4× 10 Gbps SFP+ slots
- 8× Gigabit 802.af/at/bt PoE++ ports (Max 90 W PoE budget for each port)
- 40× 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 × 330 × 44 mm
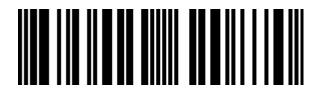
TP-Link Omada SG3452XMPP. Switch type: Managed, Switch layer: L2+. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 48, Console port: RJ-45/Micro-USB. MAC address table: 16000 entries, Switching capacity: 176 Gbit/s. Networking 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
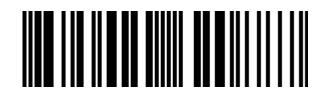
Management features

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	✓

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	48
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
SFP+ module slots quantity	4
Console port	RJ-45/Micro-USB
Power connector	AC-in jack

Network

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
10G support *	✓
Port mirroring	✓
Flow control support	✓
Link aggregation	✓
Broadcast storm control	✓
Rate limiting	✓
Spanning tree protocol	✓
Head-of-line (HOL) blocking	✓
VLAN support	✓

Data transmission

Switching capacity *	176 Gbit/s

Security

BPDU filtering/protection	✓
IP-MAC-Port binding	✓
Authentication	Auto VLAN, Guest VLAN

Multicast features

Multicast support	✓

Design

Rack mounting *	✓
Form factor	1U
Product colour	Black
Reset button	✓
LED indicators	✓
Number of fans	3 fan(s)
Certification	CE, FCC, RoHS

Power

Power source *	AC
Power supply included *	✓
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power consumption (max)	635.7 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✓
Power over Ethernet plus (PoE+) ports quantity	40
Power over Ethernet 4PPoE (PoE++) ports quantity	8
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	750 W

Operational conditions

Operating temperature (T-T)	0 - 40 °C

Data transmission

Forwarding rate	130.9 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Jumbo frames support	✔
Jumbo frames	9000
Packet buffer memory	12 MB

Security

DHCP features	DHCP client, DHCP relay, DHCP server
Access Control List (ACL)	✔
IGMP snooping	✔
MAC address filtering	✔
Static port security	✔
SSH/SSL support	✔

Operational conditions

Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%
Heat dissipation	2169.2 BTU/h

Weight & dimensions

Width	440 mm
Depth	330 mm
Height	44 mm

Packaging data

Cables included	AC
Quick start guide	✔

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