TP-Link Omada 52-Port Gigabit L2+ Managed Switch with 48-Port PoE+

Brand : TP-Link   **Product family:** Omada   **Product code:** SG3452P

Product name : Omada 52-Port
Gigabit L2+ Managed Switch
with 48-Port PoE+

48× Gigabit 802.3af/at PoE+, 4× Gigabit SFP, 1× RJ45 Console, 1× Micro-USB Console, 104 Gbps, 16 K
MAC, 9 KB Jumbo, 440 x 330 x 44 mm

TP-Link Omada 52-Port Gigabit L2+ Managed Switch with 48-Port PoE+:

TP-Link | Omada L2+ managed switches provide high performance, powerful L2 and L2+ features like
static routing, enterprise-level QoS, advanced security strategies and a bundle of ISP features. The IP-
MAC-Port Binding (IMPB) and Access Control List (ACL) functions protect against broadcast storm, ARP
and Denial-ofService (DoS) attacks, etc. Quality of Service (QoS, L2 to L4) provides enhanced traffic
management capabilities to move your data smoother and faster. The OAM and DDM functions help
facilitate network management. Moreover, the easy-to-use web management interfaces, along with CLI,
SNMP and Dual Image mean faster setup and configuration with less downtime. TP-Link | Omada L2+
managed Switches provide a reliable, secure solution for enterprise, campus and ISP networks.

Management features

Switch type *	Managed
Switch layer	L2/L3
Quality of Service (QoS) support	✔
Web-based management	✔
Cloud-managed	✔
ARP inspection	✔
System event log	✔
MIB support	Yes

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 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ad, IEEE 802.3x
10G support *	✘
Port mirroring	✔
IP routing	✔
Policy-based routing	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
Head-of-line (HOL) blocking	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Active link detection	✔
VLAN support	✔

Security

Loop protection	✔
BPDU filtering/protection	✔
Authentication	MAC-based authentication, Port-based authentication
Password protection	✔

Multicast features

Multicast support	✔

Protocols

Management protocols	SNMPv1/v2c/v3, SNTP
GARP VLAN Registration Protocol (GVRP)	✔

Design

Rack mounting *	✔
Form factor	1U
Product colour	Black
Reset button	✔
LED indicators	✔
Number of fans	3 fan(s)

Power

Power source *	AC
Power supply included *	✔
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power consumption (max)	464.2 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
Power over Ethernet plus (PoE+) ports quantity	48
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	384 W

Network

Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN
Number of VLANs	4000

Data transmission

Switching capacity *	104 Gbit/s
Forwarding rate	77.38 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Static route	✔
Number of static routes	48
Jumbo frames support	✔
Jumbo frames	9000
Packet buffer memory	12 MB

Security

DHCP features	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping
Access Control List (ACL)	✔
IGMP snooping	✔
SSH/SSL support	✔

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%
Heat dissipation	1584.08 BTU/h

Weight & dimensions

Width	440 mm
Depth	330 mm
Height	44 mm

Packaging content

Cables included	AC
Quick start guide	✔
Manual	✔

Packaging data

Package type	Box

6935364006273

1210002611947

Catalog Object Cloud