



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+

48x Gigabit 802.3af/at PoE+, 4x Gigabit SFP, 1x RJ45 Console, 1x 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-of-Service (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		Security	
Switch type *	Managed	SSH/SSL support	✓
Switch layer	L2/L3	Loop protection	✓
Quality of Service (QoS) support	✓	BPDU filtering/protection	✓
Web-based management	✓	Authentication	MAC-based authentication, Port-based authentication
Cloud-managed	✓	Password protection	✓
ARP inspection	✓	Multicast features	
System event log	✓	Multicast support	✓
MIB support	Yes	Protocols	
Ports & interfaces		Management protocols	SNMPv1/v2c/v3, SNMP
Basic switching RJ-45 Ethernet ports quantity *	48	GARP VLAN Registration Protocol (GVRP)	✓
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	Design	
SFP module slots quantity	4	Rack mounting *	✓
Console port	RJ-45/micro-USB	Form factor	1U
Power connector	AC-in jack	Product colour	Black
Network		Reset button	✓
Networking standards *	IEEE 802.1D, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3ad, IEEE 802.3x	LED indicators	✓
10G support *	✗	Number of fans	3 fan(s)
Port mirroring	✓	Power	
IP routing	✓	Power source *	AC
Policy-based routing	✓	Power supply included *	✓
Flow control support	✓	AC input voltage	100 - 240 V
Link aggregation	✓	AC input frequency	50/60 Hz
Broadcast storm control	✓	Power consumption (max)	464.2 W
Rate limiting	✓	Power over Ethernet (PoE)	
Spanning tree protocol	✓	Power over Ethernet (PoE) *	✓
Head-of-line (HOL) blocking	✓	Power over Ethernet plus (PoE+) ports quantity	48
Ethernet LAN data rates	10,100,1000 Mbit/s	Power over Ethernet (PoE) power per port	30 W
Active link detection	✓	Total Power over Ethernet (PoE) budget	384 W
VLAN support	✓	Operational conditions	
Virtual LAN features	MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN	Operating temperature (T-T)	0 - 40 °C
Number of VLANs	4000		

Data transmission		Operational conditions	
Switching capacity *	104 Gbit/s	Storage temperature (T-T)	-40 - 70 °C
Forwarding rate	77.38 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	1584.08 BTU/h
Static route	✓	Weight & dimensions	
Number of static routes	48	Width	440 mm
Jumbo frames support	✓	Depth	330 mm
Jumbo frames	9000	Height	44 mm
Packet buffer memory	12 MB	Packaging data	
Security		Cables included	AC
DHCP features	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping	Quick start guide	✓
Access Control List (ACL)	✓	Manual	✓
IGMP snooping	✓	Package type	Box



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