



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

Network		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	Storage temperature (T-T)	-40 - 70 °C
Data transmission		Operating relative humidity (H-H)	10 - 90%
		Storage relative humidity (H-H)	5 - 90%
		Heat dissipation	1584.08 BTU/h
		Weight & dimensions	
Switching capacity *	104 Gbit/s	Width	440 mm
Forwarding rate	77.38 Mpps	Depth	330 mm
MAC address table *	16000 entries	Height	44 mm
Store-and-forward	✓	Packaging content	
Static route	✓		
Number of static routes	48		
Jumbo frames support	✓		
Jumbo frames	9000	Cables included	AC
Packet buffer memory	12 MB	Quick start guide	✓
Security		Manual	✓
		Packaging data	
		Package type	Box
DHCP features	DHCP client, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 snooping		
Access Control List (ACL)	✓		
IGMP snooping	✓		
SSH/SSL support	✓		



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