



TP-Link Omada Pro S6500-48MPP6Y network switch Managed L3 2.5G Ethernet (100/1000/2500) Power over Ethernet (PoE) 1U Grey

Brand : TP-Link

Product family: Omada Pro

Product code: S6500-48MPP6Y

Product name :
S6500-48MPP6Y



- 48x 2.5 Gbps PoE++ RJ45 ports (up to 60 W PoE out per port)
 - 6x 25 Gbps SFP28 slots
 - Up to 1484 W total PoE budget*
 - Physical stacking for built-in redundancy and performance
 - L3 Features: OSPF, BGP, IS-IS, VRRP, PIM-SM/PIM-DM/PIM-SSM, ECMP, PBR
 - Security Strategies: MACsec, Secure Boot, RADSEC, IMPB, SFTP, 802.1X, Port Security
 - Highly available with two field-replaceable power supplies,** VRRP, ERPS, BFD
 - Easy O&M: NETCONF, Configuration Rollback, Hot Patching, and RSPAN
 - Centralized cloud management via the web or the Omada app
- Omada Pro 48-Port 2.5G Stackable L3 Managed PoE++ Switch with 6 25G Slots



Management features		Security	
Switch type *	Managed	IGMP snooping	✓
Switch layer	L3	Static port security	✓
Web-based management	✓	SSH/SSL support	✓
Cloud-managed	✓	Authentication type	AAA, RADIUS, TACACS+
ARP inspection	✓	Multicast features	
Configuring Location Settings (CLI)	✓	Multicast support	✓
Ports & interfaces		Design	
Basic switching RJ-45 Ethernet ports quantity *	48	Rack mounting *	✓
Basic switching RJ-45 Ethernet ports type *	2.5G Ethernet (100/1000/2500)	Stackable *	✓
Console port	RJ-45/Micro-USB	Form factor	1U
SFP28 ports quantity	6	Product colour	Grey
Network	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3az, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x	Number of fans	4 fan(s)
		Power	
Networking standards *		Power source *	AC
10G support *	✓	Power supply included *	✓
Port mirroring	✓	AC input voltage	100 - 240 V
Flow control support	✓	AC input frequency	50/60 Hz
Link aggregation	✓	Power consumption (max)	635.7 W
Broadcast storm control	✓	Power over Ethernet (PoE)	
Rate limiting	✓	Power over Ethernet (PoE) *	✓
Spanning tree protocol	✓	Power over Ethernet (PoE) ports quantity	48
Active link detection	✓	Total Power over Ethernet (PoE) budget	500 W
		Operational conditions	
		Operating temperature (T-T)	0 - 45 °C

Network		Operational conditions	
Virtual LAN features	MAC address-based VLAN, Protocol-based VLAN, Voice VLAN	Storage temperature (T-T)	-40 - 70 °C
Number of VLANs	4000	Operating relative humidity (H-H)	10 - 90%
Data transmission		Storage relative humidity (H-H)	5 - 90%
Switching capacity *	540 Gbit/s	Heat dissipation	2169.2 BTU/h
Forwarding rate	401.7 Mpps	Weight & dimensions	
MAC address table *	32000 entries	Width	440 mm
Number of queues	8	Depth	330 mm
Static route	✓	Height	44 mm
Number of IP interfaces	16	Packaging content	
Jumbo frames support	✓	Cables included	AC
Jumbo frames	9000	Quick start guide	✓
Packet buffer memory	3 MB	Rack mount kit	✓
Security			
DHCP features	DHCP relay, DHCP server, DHCPv6 relay		
Access Control List (ACL)	✓		



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Catalog Object Cloud



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