



TP-Link Omada Pro S6500-48G6XF network switch Managed L2/L2+ Gigabit Ethernet (10/100/1000) 1U Grey

Brand : TP-Link

Product family: Omada Pro

Product code: S6500-48G6XF

Product name : S6500-48G6XF



- 48x Gigabit RJ45 ports and 6x 10 Gbps SFP+ slots
- 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
- Highly Available with two internal fixed power supplies, VRRP, ERPS, and 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 Gigabit Stackable L3 Managed Switch with 6 10G Slots

TP-Link Omada Pro S6500-48G6XF. Switch type: Managed, Switch layer: L2/L2+. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 48, USB 2.0 ports quantity: 2, Console port: RJ-45/USB Type-C. MAC address table: 32000 entries, Switching capacity: 216 Gbit/s. Networking standards: IEEE 802.1Q, IEEE 802.3ah. Rack mounting, Form factor: 1U



Management features		Security	
Switch type *	Managed	Access Control List (ACL)	✓
Switch layer	L2/L2+	IGMP snooping	✓
Quality of Service (QoS) support	✓	Static port security	✓
Web-based management	✓	SSH/SSL support	✓
Cloud-managed	✓	Loop protection	✓
Configuring Location Settings (CLI)	✓	Password protection	✓
System event log	✓	Authentication type	AAA, RADIUS, TACACS+
Ports & interfaces		Multicast features	
Basic switching RJ-45 Ethernet ports quantity *	48	Multicast support	✓
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	Design	
SFP+ module slots quantity	6	Rack mounting *	✓
Console port	RJ-45/USB Type-C	Form factor	1U
USB 2.0 ports quantity	2	Product colour	Grey
Network		Number of fans	4 fan(s)
Networking standards *	IEEE 802.1Q, IEEE 802.3ah	Performance	
10G support *	✓	Internal memory	512 MB
Port mirroring	✓	Flash memory	32 MB
Flow control support	✓	Power	
Link aggregation	✓	Power source *	AC
Broadcast storm control	✓	Power supply included *	✓
Rate limiting	✓	AC input voltage	100 - 240 V
Spanning tree protocol	✓	AC input frequency	50/60 Hz
Active link detection	✓	Power consumption (max)	39.8 W
Virtual LAN features	MAC address-based VLAN, Protocol-based VLAN, Voice VLAN	Power over Ethernet (PoE)	
		Power over Ethernet (PoE) *	✗

Data transmission		Operational conditions	
Switching capacity *	216 Gbit/s	Operating temperature (T-T)	-5 - 40 °C
Forwarding rate	160.7 Mpps	Storage temperature (T-T)	-40 - 70 °C
MAC address table *	32000 entries	Operating relative humidity (H-H)	10 - 90%
Number of queues	8	Storage relative humidity (H-H)	5 - 90%
Static route	✓	Heat dissipation	135.81 BTU/h
Jumbo frames support	✓	Weight & dimensions	
Jumbo frames	9000	Width	440 mm
Packet buffer memory	3 MB	Depth	380 mm
Security		Height	44 mm
DHCP features	DHCP relay, DHCP server	Packaging content	
		Cables included	AC
		Quick start guide	✓



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Catalog Object Cloud



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