



TP-Link S6500-48GP6XF network switch Managed L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Grey

Brand : TP-Link

Product code: S6500-48GP6XF

Product name : S6500-48GP6XF



- 48x Gigabit PoE+ RJ45 ports and 6x 10 Gbps SFP+ slots
- Up to 1440 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
- Highly available with two field-replaceable 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 PoE+ Switch with 6 10G Slots

TP-Link S6500-48GP6XF. Switch type: Managed, Switch layer: L3. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 48, Console port: RJ-45/USB Type-C. MAC address table: 32000 entries, Switching capacity: 216 Gbit/s. Networking standards: IEEE 802.1p, IEEE 802.3az. Power over Ethernet (PoE). Rack mounting, Form factor: 1U



Management features		Security	
Switch type *	Managed	Static port security	✓
Switch layer	L3	SSH/SSL support	✓
Web-based management	✓	Loop protection	✓
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 *	Gigabit Ethernet (10/100/1000)	Form factor	1U
SFP+ module slots quantity	6	Product colour	Grey
Console port	RJ-45/USB Type-C	Number of fans	4 fan(s)
Network		Power	
Networking standards *	IEEE 802.1p, IEEE 802.3az	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
Virtual LAN features	IP subnet-based VLAN, MAC address-based VLAN, Port-based VLAN, Protocol-based VLAN, Voice VLAN	Total Power over Ethernet (PoE) budget	1440 W
		Operational conditions	
Number of VLANs	4000	Operating temperature (T-T)	-5 - 40 °C
		Storage temperature (T-T)	-40 - 70 °C

Data transmission		Operational conditions	
Switching capacity *	216 Gbit/s	Operating relative humidity (H-H)	10 - 90%
Forwarding rate	160.7 Mpps	Storage relative humidity (H-H)	5 - 90%
MAC address table *	32000 entries	Heat dissipation	6027.86 BTU/h
Number of queues	8	Weight & dimensions	
Static route	✓	Width	440 mm
Jumbo frames support	✓	Depth	420 mm
Jumbo frames	9000	Height	44 mm
Packet buffer memory	3 MB	Packaging content	
Security		Cables included	AC
DHCP features	DHCP relay, DHCP server, DHCPv6 relay	Quick start guide	✓
Access Control List (ACL)	✓	Rack mount kit	✓
IGMP snooping	✓		

Catalog Object Cloud



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