TP-Link Omada Pro S6500-24GP4XF network switch Managed L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Grey

Brand : TP-Link **Product family:** Omada Pro **Product code:** S6500-24GP4XF

Product name :
S6500-24GP4XF

- 24× Gigabit PoE+ RJ45 ports and 4× 10 Gbps SFP+ slots
- Up to 720 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 24-Port Gigabit Stackable L3 Managed PoE+ Switch with 4 10G Slots

Management features	
Switch type *	Managed
Switch layer	L3
Quality of Service (QoS) support	✔
Web-based management	✔
Cloud-managed	✔
Configuring Location Settings (CLI)	✔
System event log	✔

Ports & interfaces	
Basic switching RJ-45 Ethernet ports quantity *	24
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
SFP+ module slots quantity	4
Console port	RJ-45/USB Type-C
USB 2.0 ports quantity	2

Network	
Networking standards *	IEEE 802.1p, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az
10G support *	✔
Port mirroring	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
Active link detection	✔

Security	
MAC address filtering	✔
Static port security	✔
SSH/SSL support	✔
Loop protection	✔
Password protection	✔
Authentication type	AAA, RADIUS, TACACS+

Multicast features	
Multicast support	✔

Design	
Rack mounting *	✔
Stackable *	✔
Form factor	1U
Product colour	Grey
Number of fans	4 fan(s)

Power	
Power source *	AC
Power supply included *	✔
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power consumption (max)	916.6 W

Power over Ethernet (PoE)	
Power over Ethernet (PoE) *	✔
Power over Ethernet (PoE) ports quantity	24
Total Power over Ethernet (PoE) budget	720 W

Network	
Virtual LAN features	MAC address-based VLAN, Protocol-based VLAN, Voice VLAN

Data transmission	
Switching capacity *	128 Gbit/s
Forwarding rate	95.2 Mpps
MAC address table *	32000 entries
Number of queues	8
Static route	✔
Jumbo frames support	✔
Jumbo frames	9000
Packet buffer memory	3 MB

Security	
DHCP features	DHCP relay, DHCP server, DHCPv6 relay
Access Control List (ACL)	✔
IGMP snooping	✔

Operational conditions	
Operating temperature (T-T)	-5 - 40 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%
Heat dissipation	3125.6 BTU/h

Weight & dimensions	
Width	440 mm
Depth	420 mm
Height	44 mm

Packaging content	
Cables included	AC
Quick start guide	✔
Rack mount kit	✔

4895252505511

0840030711305

840030711305

Catalog Object Cloud

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.

Publication date: 26-AUG-2026. Prints or copies of Information are only valid on the printed Publication date