



TP-Link Omada Pro 8-Port Gigabit Smart Switch



Model: S4500-8G

Manufacturer: TP-LINK

EAN: 4895252505573

Product Code: 1143446

R8,771

What This Product Does

S4500-8G is an enterprise-level switch equipped with eight RJ45 ports (10/100/1000 Mbps). High-performance static routing, enterprise-level QoS, advanced security features, a selection of Layer 2 management options, and integration into the Omada Pro SDN (Software-Defined Networking) make S4500-8G an excellent choice for the access layer of business networking.

Secure Networking

Security features include IP-MAC-Port Binding and VLAN Binding, Port Security, Storm Control, and DHCP Snooping to defend against a range of network threats. An integrated list of common DoS attacks is available, making it easier than ever to prevent them.

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In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports, or VLAN ID. Users' network access can be controlled via 802.1X authentication, which works with a RADIUS/Tacacs+ server to grant access only when valid user credentials are provided.

Advanced QoS

Leveraging IP, MAC, TCP, and UDP identifiers, our QoS feature ensures seamless voice and video transmission—even when bandwidth is in short supply.

Abundant L2 and L2+ Features

S4500-8G supports a complete lineup of L2 features, including 802.1Q VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol, and 802.3x Flow Control. Advanced IGMP Snooping ensures the switch intelligently forwards multicast streams to only the appropriate subscribers, cutting out unnecessary traffic, while IGMP throttling and filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Static Routing, an L2+ feature, is a simple way of segmenting the network and internally routing traffic through the switch for improved efficiency.

IPv6 Support

IPv6 functions such as Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery, and IPv6 Neighbor Discovery guarantee that your network is ready for the Next Generation Network (NGN) without upgrading your hardware.

Omada Pro Integration

Integration into the Omada Pro system brings centralized cloud management and a series of management features such as Zero-Touch Provisioning (ZTP) and Intelligent Anomaly Detection.* Omada Pro's Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and routers, providing 100% centralized cloud management. Omada Pro creates a highly scalable network—all controlled from a single interface.

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Apart from the ability to be centrally managed via Omada Pro controllers, S4500-8G simplifies management via an intuitive web-based Graphical User Interface (GUI) or an industry-standard Command Line Interface (CLI). For both management methods, traffic is protected through SSL or SSH encryption. SNMP (v1/v2c/v3) and RMON support enable the switch to be polled for valuable status information and to send traps for abnormal events.