



TP-Link Omada Pro 16-Port SFP+ L2+ Managed Switch



Model: S5500-16XF

Manufacturer: TP-LINK

EAN: 4895252505757

Product Code: 1143445

R62,107

What This Product Does

Easily build a Whole 10G network with Omada Pro S5500-16XF—a fully enterprise-level managed switch with full 16-port 10G fiber ports and 320 Gbps switching capacity. Ideal for small, medium, and large business networks, it meets and surpasses the need for high-speed, reliable, and safe enterprise networks. Two power supplies back each other up and makes an ideal choice for reliable networking architecture. An abundance of L2+ and L3 features including Proxy ARP, Static Routing, OAM, DDM, sFlow, L2PT, and DLDP are supported to help build a highly scalable and robust network, providing a reliable and efficient solution for dormitories, apartments, enterprises, campuses, and ISPs. Our high-quality security features defend against a range of network threats.

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Besides, 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. Moreover, easy-to-use web management interfaces, along with CLI, SNMP, RMON, and Dual Image mean faster setup and configuration with less downtime.

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. 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.

Abundant L2 and L3 features

S5500-16XF supports a complete lineup of L2 and L3 features, including Proxy ARP, Static Routing, OAM, DDM, sFlow, L2PT, DLDP, 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 & 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.

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.

ISP Features

DDM, sFlow, ERPS, L2PT, QinQ, L2PT PPPoE ID Insertion, and IGMP authentication features are provided, developed with service providers in mind. 802.3ah OAM and Device Link Detection

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Protocol (DLDP) offer easy monitoring and troubleshooting of Ethernet links. Ethernet Ring Protection Switching (ERPS) blocks traffic on a single ring link to prevent looping and effectively adds redundancy and up-time protection to any network.

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 your network is ready for the Next Generation Network (NGN) without upgrading your hardware.

Integrated into Omada Pro

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. Seamless wireless and wired connections are provided, ideal for use in MDU, hospitality, education, offices, and more.

Apart from being centrally managed via Omada Pro controllers, S5500-16XF is also easy to manage 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.