



Switch TP-LINK Omada SG6654XHP Type L3 2xUSB 2.0 1xConsole PoE+ ports 48 1440 Watts SG6654XHP



Model: SG6654XHP

Manufacturer: TP-LINK

Product Code: 193409

R69,410

What This Product Does

Omada SG6654XHP, an advanced L3 managed PoE+ switch, is crafted for convergence layer requirements with features like L3 routing, rapid 10 Gbps wired connectivity, stacking, and redundant power supplies. It offers an impressive 1440 W PoE budget,* 48x gigabit RJ45 PoE+ ports, 6x 10 Gbps SFP+ slots, and physical stacking. Combined with centralized management, strong security, and comprehensive management features, SG6654XHP is an ideal, reliable network solution for SMBs, enterprises, and ISPs.

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IEEE 802.3at/af-compliant Power over Ethernet

48× IEEE 802.3at/af-compliant PoE ports supply up to 1440 W total power to 802.3at and 802.3af devices,* with each port supplying up to 30 W power. Set up wireless access points, surveillance cameras, IP phones, and other PoE devices quickly and easily, without the hassle and cost of installing power cabling. Perpetual PoE ensures an uninterrupted power supply to connected devices even during switch reboots. Additionally, the switch retains PoE power settings across reboots, thanks to fast PoE functionality.

High-speed Connectivity and Powerful Stacking

48 gigabit RJ45 ports and 6× 10 Gbps SFP+ slots provide up to 216 Gbps switching capacity per unit. Up to 4 units of physical stacking with up to 864 Gbps switching capacity empower the networking structure with built-in redundancy and performance.

Abundant Layer 3 Capabilities

Comes with abundant Layer 3 routing protocols that support a scalable network. Static Routing, RIP, OSPF, ECMP, VRRP, DHCP Server, and DHCP Relay are supported. PIM-DM multicast routing protocol guarantees efficient routing for multicast groups.

Highly Available

Optional field-replaceable and hot-swappable redundant power supplies and VRRP make it an ideal choice for reliable networking architecture.** ERPS supports rapid protection and recovery in a ring topology.

Enhanced Security Functions

Defend against a range of network threats with ACL support (IPv4 & IPv6), Dynamic ARP Inspection, IEEE 802.1X, MAB, Port Security, and Secure Shell.

Omada SDN

Integration into the Omada system brings centralized cloud management and a series of management features such as Zero-Touch Provisioning (ZTP).‡ The Omada Software Defined Networking (SDN) platform integrates network devices, including access points, switches, and routers, providing 100% centralized cloud management—all controlled from a single interface.

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Apart from the ability to be centrally managed via the web or the Omada app, SG6654XHP 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.

- 48× Gigabit RJ45 PoE+ ports
- 6× 10 Gbps SFP+ slots
- Up to 1440 W total PoE budget*
- Physical Stacking for built-in redundancy and performance
- L3 features: RIP, OSPF, ECMP, VRRP, PIM-DM, DHCP Server/Relay
- Security Strategies: ACL, Port Security, DoS Defend, 802.1X
- Highly Available with two field-replaceable power supplies,** VRRP, and ERPS
- Centralized cloud management via the Omada SDN controller
- Standalone management via web, CLI, SNMP, and RMON

Summary: TP-Link Omada 48-Port Gigabit Stackable L3 Managed PoE+ Switch with 6 10G Slots.

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, 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 802.1p, IEEE 802.3x. Power over Ethernet (PoE). Rack mounting, Form factor: 1U | Vendor Homepage: <https://www.tp-link.com/en/business-networking/omada-switch-poe/sg6654xhp/#highlights> | ARP inspection: Yes | Cloud-managed: Yes |

Configuring Location Settings (CLI): Yes | Quality of Service (QoS) support: Yes | Switch layer: L3 | Switch type: Managed | System event log: Yes | Web-based management: Yes | Basic switching RJ-45 Ethernet ports quantity: 48 | Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000) | Console port: RJ-45/USB Type-C | SFP+ module slots quantity: 6 | USB 2.0 ports quantity: 2 | 10G support: No | Broadcast storm control: Yes | Ethernet LAN data rates: 10,100,1000 | Flow control support: Yes | IP routing: Yes | Networking standards: IEEE 802.1p/IEEE 802.1Q/IEEE 802.3x | Number of VLANs: 4000 | Port mirroring: Yes | Rate limiting: Yes | Spanning tree protocol: Yes | Virtual LAN features: MAC address-based VLAN/Multicast VLAN/Private VLAN/Voice VLAN | VLAN support: Yes | Forwarding rate: 160.7 | Jumbo frames: 9000 | Jumbo frames support: Yes | MAC address table: 32000 | Packet buffer memory: 3 | Static route: Yes | Switching capacity: 216 | Access Control List (ACL): Yes | Authentication: Auto VLAN,MAC-based authentication,Port-based

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authentication | Authentication type: RADIUS | DHCP features: DHCP relay/DHCP snooping/DHCPv6 snooping | IGMP entries: 2048 | IGMP snooping: Yes | Loop protection: Yes | SSH/SSL support: Yes | Multicast support: Yes | Form factor: 1U | LED indicators: Yes | Number of fans: 4 | Product colour: Black | Rack mounting: Yes | Stackable: Yes | AC input frequency: 50/60 | AC input voltage: 100 - 240 | Power consumption (max): 1767.7 | Power source: AC | Power supply included: Yes | Power over Ethernet (PoE): Yes | Power over Ethernet (PoE) power per port: 30 | Power over Ethernet plus (PoE+) ports quantity: 48 | Total Power over Ethernet (PoE) budget: 1440 | Heat dissipation: 6027.86 | Operating relative humidity (H-H): 10 - 90 | Operating temperature (T-T): -5 - 40 | Storage relative humidity (H-H): 5 - 90 | Storage temperature (T-T): -40 - 70 | Depth: 420 | Height: 44 | Width: 440 | Cables included: AC/LAN (RJ-45) | Manual: Yes | Series: Omada | Model name: SG6654XHP | Units per Shipping Box: 1 | Unit Calculated Volume: 0.03058 | Unit Calculated Weight: 12.1

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