



## Switch TP-LINK Omada SG6428X Type L3 2xUSB 2.0 1xConsole SG6428X



Model: SG6428X

Manufacturer: TP-LINK

Product Code: 193421

# R35,009

### What This Product Does

Omada SG6428X is a high-performance L3 managed switch tailored for the convergence layer, featuring L3 routing, fast 10 Gbps wired speeds, stacking options, and redundant power supply modules. It includes 24x Gigabit RJ45 ports, 4x 10 Gbps SFP+ slots, physical stacking ability, and centralized management. Integrated with strong security and extensive management features, the SG6428X offers a dependable networking solution for SMBs, enterprises, and ISPs.

### High-speed Connectivity and Powerful Stacking

24x Gigabit RJ45 ports and 4x 10 Gbps SFP+ slots provide up to 128 Gbps switching capacity per unit. Up to 4 units of physical stacking with up to 512 Gbps switching capacity empowers the networking structure with built-in redundancy and performance.

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## **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**

Internal fixed 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.

Apart from the ability to be centrally managed via the web or the Omada app, SG6428X 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.

- 24× Gigabit RJ45 ports and 4× 10 Gbps SFP+ slots
- 128 Gbps switching capacity per unit
- 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 internal fixed power supplies, VRRP, and ERPS
- Centralized cloud management via the Omada SDN controller
- Standalone management via web, CLI, SNMP, and RMON

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Summary: TP-Link Omada 24-Port Gigabit Stackable L3 Managed Switch with 4 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: 24, USB 2.0 ports quantity: 2, Console port: RJ-45/USB Type-C. MAC address table: 32000 entries, Switching capacity: 128 Gbit/s. Networking standards: IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x. Rack mounting, Form factor: 1U | Vendor Homepage: <https://www.tp-link.com/en/business-networking/omada-switch-l3-l2-managed/sg6428x/> | 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: 24 | Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000) | Console port: RJ-45/USB Type-C | SFP+ module slots quantity: 4 | 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: 95.2 | Jumbo frames: 9000 | Jumbo frames support: Yes | MAC address table: 32000 | Packet buffer memory: 3 | Static route: Yes | Switching capacity: 128 | Access Control List (ACL): Yes | Authentication: Auto VLAN,MAC-based authentication,Port-based 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): 28.4 | Power source: AC | Power supply included: Yes | Power over Ethernet (PoE): No | Heat dissipation: 96.91 | 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: 380 | Height: 44 | Width: 440 | Cables included: AC/LAN (RJ-45) | Manual: Yes | Series: Omada | Model name: SG6428X | Units per Shipping Box: 1 | Unit Calculated Volume: 0.03058 | Unit Calculated Weight: 8.58

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