

Item no.: 375038

## TL-SG3428X-UPS -

from **319,18 EUR**

Item no.: 375038  
shipping weight: 3.10 kg  
Manufacturer: TP-LINK

### Product Description

The TL-SG3428X-UPS offers 24x 10/100/1000 Mbps LAN ports. In addition, 4x 10G SFP+ slots are available. For management and monitoring, it is possible to use general access via a web interface and protocols, e.g. CLI, SNMP, RMO, but also centralised cloud management and software controllers. The hardware Omada controller (OC200/OC300) is also supported. Compared to the classic version, this switch has a UPS option in addition to the standard 230V AC power supply, i.e. battery connection (at least 4.5Ah) in case of failure of the primary 230V AC power supply including battery charging. The switch can also be connected by disconnecting the 230V AC and connecting the switch only to a 12V DC source at the terminals provided for the battery.

**HARDWARE FEATURES** Interface- 24x 10/100/1000 Mbps RJ45 Ports- 4x 10G SFP+ Slots- 1x RJ45 Console Port- 1x Micro-USB Console Port Number of Fans- Fanless Power Supply 100-240 V AC-50/60 Hz Dimensions (W\*D\*H) 17.3 x 7.1 x 1.7 in (440 x 180 x 44 mm) Mounting Rack Mountable Maximum power consumption 23.6 W (110V/60Hz) Maximum heat dissipation 80,353 BTU/h (110 V/60 Hz) **PERFORMANCE** Switching capacity 128 Gbps Packet forwarding rate 95.23 Mpps MAC address table 16 K Packet buffer memory 12 Mbit Jumbo frames 9 K **SOFTWARE FUNCTIONS** Quality of Service- 8 priority queues- 802.1p CoS/DSCP priority- Queue scheduling- SP (Strict Priority)- WRR (Weighted Round Robin)- SP+WRR- Bandwidth Control- Port/Flow based Rating Limiting Port/Flow based Rating Limiting- Smoother Performance- Action for Flows- Mirror (to supported interface)- Redirect (to supported interface)- Rate Limit- QoS Remark QoS Remark Layer3 Functions- 16 IPv4/IPv6 Interfaces- Static Routing- 48 static routes- Static ARP- 128 Static Entries- Proxy ARP- Gratuitous ARP- DHCP Server- DHCP Relay-DHCP Interface Relay- DHCP VLAN Relay- DHCP L2 Relay Layer2 and Layer2+ functions- Link Aggregation- static link aggregation- 802.3ad LACP- Up to 8 aggregation groups, containing 8 ports per group- Spanning Tree Protocol- 802.1d STP- 802.1w RSTP- 802.1s MSTP- STP Security: TC Protect, BPDU Filter, Root Protect- Loopback Detection- Port based- VLAN based- Flow Control- 802.3x Flow Control- HOL Blocking Prevention- Mirroring- Port Mirroring- CPU Mirroring- One-to-One- Many-to-One Many-to-One- Tx/Rx/Both Layer2-Multicast- IGMP Snooping- IGMP v1/v2/v3 Snooping- Fast Leave-IGMP Snooping Querier- IGMP Authentication- IGMP Authentication- MLD Snooping- MLD v1/v2 Snooping- Fast Leave- MLD Snooping Querier- Static Group Config- Limited IP Multicast- MVR- Multicast Filtering: 256 profiles and 16 entries per profile **Advanced Features**- Support Omada Hardware Controller (OC200/OC300), Software Controller, Cloud-Based Controller- Automatic Device Discovery- Batch Configuration- Batch Firmware Upgrading- Intelligent Network Monitoring- Abnormal Event Warnings- Unified Configuration- Reboot Schedule- ZTP (Zero-Touch Provisioning)\*VLAN- VLAN Group-Max 4K VLAN Groups- 802.1Q Tagged VLAN- MAC VLAN: 7 Entries- Protocol VLAN: Protocol Template 16, Protocol VLAN 16- Private VLAN- GVRP- VLAN VPN (QinQ)- Port-Based QinQ- Selective QinQ- Voice VLAN Access Control List- Time-based ACL- MAC ACL-Source MAC- Destination MAC- VLAN ID- User Priority- Ether Type- IP ACL- Source IP- Destination IP- Fragment-IP Protocol- TCP Flag- TCP/UDP Port- DSCP/IP TOS- User Priority- Combined ACL- Packet Content ACL- IPv6 ACL- Policy- Mirroring- Redirect-Rate Limit- QoS Remark- ACL apply to Port/VLAN Security- IP-MAC-Port Binding- 512 Entries- DHCP Snooping- ARP Inspection- IPv4 Source Guard: 100 Entries- IPv6-MAC-Port Binding- 512 Entries- DHCPv6 Snooping- ND Detection- IPv6 Source Guard: 100 Entries- DoS Defend- Static/Dynamic Port Security- Up to 64 MAC addresses per port- Broadcast/Multicast/Unicast Storm Control- kbps/ratio control mode- 802.1X- Port base authentication- Mac base authentication- VLAN Assignment- MAB- Guest VLAN- Support Radius authentication and accountability- AAA (including TACACS+)- Port Isolation- Secure web management through HTTPS with SSLv3/TLS 1.2- Secure Command Line Interface (CLI) management with SSHv1/SSHv2- IP/Port/MAC based access control IPv6- IPv6 Dual IPv4/IPv6- Multicast Listener Discovery (MLD) Snooping- IPv6 ACL- IPv6 Interface- Static IPv6 Routing- IPv6 neighbour discovery (ND)- Path maximum transmission unit (MTU) discovery- Internet Control Message Protocol (ICMP) version 6- TCPv6/UDPv6- IPv6 applications-DHCPv6 Client- Ping6- Tracer6- Telnet (v6)- IPv6 SNMP- IPv6 SSH- IPv6 SSL- Http/Https-IPv6 TFTP Administration- Web-based GUI- Command Line Interface (CLI) through the console port, telnet- SNMP v1/v2c/v3- Trap/Inform- RMON (1,2,3,9 groups)- SDM Template- DHCP/BOOTP Client- 802.1ab LLDP/LLDP-MED- DHCP AutoInstall- Dual Image, Dual Configuration- CPU Monitoring- Cable Diagnostics- EEE- Password Recovery- SNMP- System Log MIBs- MIB II (RFC1213)- Interface MIB (RFC2233)- Ethernet Interface MIB (RFC1643)- Bridge MIB (RFC1493)- P/Q-Bridge MIB (RFC2674)- RMON MIB (RFC2819)- RMON2 MIB (RFC2021)- Radius Accounting Client MIB (RFC2620)- Radius Authentication Client MIB (RFC2618)- Remote Ping, Traceroute MIB (RFC2925)- Support TP-Link private MIBADMINISTRATION Omada App Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller. **Centralised Management**- Omada Cloud-Based Controller- Omada Hardware Controller (OC300)- Omada Hardware Controller (OC200)- Omada Software Controller Cloud Access Yes. Requiring the use of OC300, OC200, Omada Cloud-Based Controller, or Omada Software Controller. **Zero-Touch Provisioning** Yes. Requiring the use of Omada Cloud-Based Controller. **Management Features**- Web-based GUI- Command Line Interface (CLI) through the console port, telnet- SNMP v1/v2c/v3- Trap/Inform- RMON (1,2,3,9 groups)- SDM Template- DHCP/BOOTP Client- 802.1ab LLDP/LLDP-MED- DHCP AutoInstall- Dual Image, Dual Configuration- CPU Monitoring- Cable Diagnostics- EEE- Password Recovery- SNMP- System Log OTHER Certification CE, FCC, RoHS Package Contents- TL-SG3428X Switch- Power Cord- Quick Installation Guide- Rackmount Kit- Rubber Feet **System Requirements** Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8/10/11, MAC® OS, NetWare®, UNIX® or Linux. **Environment**- Operating Temperature: 0-45 ° (32-113 °F);- Storage Temperature: -40-70 ° (-40-158 °F)- Operating Humidity: 10-90% RH non-condensing- Storage Humidity: 5-90% RH non-condensing

### Specifications

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