

Switch T1500-28PCT (TL-SL2428P)

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SKU: NET-TL-SL2428P

Price: 54,990 Vt

Stock: instock

Categories: [Network Switches / Routers](#)

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Product Description

TP-Link smart switch T1500-28PCT is equipped with 24 10/100Mbps RJ45 ports, 4 10/100/1000Mbps RJ45 ports and 2 combo Gigabit SFP slots. All of the 24 10/100Mbps RJ45 ports support the 802.3at/af (PoE+) standard with total PoE power budget of 192W and useful PoE power management features. The switch provides high performance, enterprise-level QoS, useful security strategies and rich layer 2 management features. TP-Link smart switch T1500-28PCT is a cost-effective product solution for the small and medium business. T1500-28PCT has useful security features. The Storm Control feature protects against Broadcast, Multicast and Unknown unicast Storm. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. Anymore, the easy-to-use web management interfaces, along with SNMP and RMON, mean faster setup and configuration with less downtime. For workgroup and departments requiring cost-sensitive layer 2 switch and gigabit capability, TP-Link smart switch T1500-28PCT provides you the ideal access-edge solution. **IEEE 802.3at/af-compliant Power over Ethernet** The T1500-28PCT supports 24 ports of IEEE 802.3af/at-compliant PoE and has a total power supply of 192W to power any 802.3af/at-compliant power device. It's an efficient and cost-effective choice to work with wireless access points, surveillance cameras, IP phones and other PoE supported devices, while getting rid of cables or power lines running around. Compact and flexible, the T1500-28PCT is ideal to flexibly use PoE to deploy wireless access points or IP-based network surveillance cameras for projects or small business networks. **Advanced QoS features** To integrate voice, data and video service on one network, the switch applies rich QoS policies. Administrator can designate the priority of the traffic based on a variety of means including Port Priority, 802.1P Priority and DSCP Priority, to ensure that voice and video are always clear, smooth and jitter

free. In conjunction with the Voice VLAN the switch supports, the voice applications will operate with much smoother performance. **Abundant Layer 2 features** For more application of layer 2 switches, T1500-28PCT supports a complete lineup of layer 2 features, including 802.1Q tag VLAN, Port Isolation, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Group and 802.3x Flow Control function. Any more, the switches provide advanced features for network maintenance such as Loop Back Detection, Cable Diagnostics and IGMP Snooping. IGMP snooping ensures the switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. **Enterprise Level Management Features** T1500-28PCT is easy to use and manage. It supports various user-friendly standard management features, such as intuitive web-based Graphical User Interface (GUI) or industry-standard Command Line Interface (CLI). SNMP (v1/2/3) and RMON support enable the switch to be polled for valuable status information and send traps on abnormal events.

Specification:

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i IEEE 802.3u IEEE 802.3ab IEEE802.3z IEEE 802.3ad IEEE 802.3x IEEE 802.3az IEEE 802.1d IEEE 802.1s IEEE 802.1w IEEE 802.1q IEEE 802.1x IEEE 802.1p IEEE 802.3af IEEE 802.3at
Interface	24 10/100Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 2 Combo Gigabit SFP Slots
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE- TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m) 1000BASE-X: MMF, SMF
Fan Quantity	2
PoE Budget	192W
Dimensions (W x D x H)	17.3 x 7.1 x 1.7 in. (440 x 220 x 44 mm)
Mounting	19" 1U rack mountable
Max Power Consumption	21.7W (with no power device connected) 229.7W (with 192W power device connected)
Max Heat Dissipation	74.0 BTU/h (with no power device connected) 783.8 BTU/h (with 192W power device connected)

PERFORMANCE

Bandwidth/Backplane 12.8Gbps

PERFORMANCE

Packet Forwarding Rate	9.5Mpps
MAC Address Table	8k
Jumbo Frame	9216 Bytes

SOFTWARE FEATURES

Quality of Service	<ul style="list-style-type: none">• 802.1p CoS/ DSCP priority • 8 priority queues • Priority Schedule Mode - SP (Strict Priority) - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control - Port/Flow based Rating Limit • Smoother Performance • Actions for flows - Mirror(to supported interface) - Redirect(to supported interface) - Rate Limit - QoS Remark • Storm Control - Multiple Control Modes(kbps/ratio/pps) - Broadcast/Multicast/Unknown-Unicast Control
L2 Features	<ul style="list-style-type: none">• Link Aggregation - static link aggregation - Up to 8 aggregation groups and up to 8 ports per group - 802.3ad LACP • Spanning Tree Protocol - 802.1D STP - 802.1w RSTP - 802.1s MSTP - STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect • Loopback Detection • Flow Control - 802.3x Flow Control • Mirroring - Port Mirroring - One-to-One - Many-to-One - Flow-Based - Ingress/Egress/Both - CPU Mirroring • Device Link Detect Protocol(DLDP)
L2 Multicast	<ul style="list-style-type: none">• 512 IPv4 and IPv6 shared multicast groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - IGMP Authentication - Static Group Config • MLD Snooping - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config • Multicast VLAN Registration • Multicast Filtering
IPv6 Support	<ul style="list-style-type: none">• IPv6 Dual IPv4/IPv6 • Multicast Listener Discovery(MLD) Snooping • IPv6 neighbor discovery (ND) • Path maximum transmission unit (MTU) discovery • Internet Control Message Protocol (ICMP) version 6 • TCPv6/UDPv6 • IPv6 applications - DHCPv6 Client - Ping6 - Tracert6 - Telnet(v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP
VLAN	<ul style="list-style-type: none">• VLAN Group - Max. 4K VLAN Groups • 802.1Q tag VLAN • MAC VLAN • Protocol VLAN • GVRP • Voice VLAN

SOFTWARE FEATURES

Access Control List

• Support up to 230 entries • Time-Range - Time Slice - Week Time-Range - Absolute Time-Range - Holiday • Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - Ether Type • IP ACL - Source IP - Destination IP - IP Protocol - TCP Flag - TCP/UDP Source Port - TCP/UDP Destination Port - DSCP/IP TOS • IPv6 ACL • Combined ACL • Rule Operation - Permit/Deny • Policy Action - Mirror - Rate Limit - Redirect - QoS Remark • ACL Rules Binding - Port Binding - VLAN Binding

Security

• AAA • 802.1X - Port based authentication - MAC(Host) based authentication - Authentication Method includes PAP/EAP-MD5/EAP-TLS/EAP-TTLS/EAP-PEAP - MAB - Guest VLAN - Support Radius authentication and accountability • IP/IPv6-MAC Binding - 512 Binding Entries - DHCP Snooping - DHCPv6 Snooping - ARP Inspection - ND Detection • IP Source Guard - 253 Entries - Source IP+Source MAC • IPv6 Source Guard - 183 Entries - Source IPv6 Address+Source MAC • DoS Defend • Static/Dynamic/Permanent Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio/pps control mode • Port Isolation • Secure web management through HTTPS with SSLv3/TLS1.0 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2 • IP/Port/MAC based access control

Management

• Web-based GUI and CLI management • SNMPv1/v2c/v3 • SNMP Trap/Inform • RMON (1,2,3,9 groups) • SDM Template • DHCP/BOOTP Client • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • System Log • 802.1ab LLDP/ LLDP-MED

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 MIBs

OTHERS

Certification CE, FCC, RoHS

Package Contents T1500-28PCT Power Cord Installation Guide Resource CD Rackmount Kit Rubber Feet

Environment Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing