



TP-Link SL2428P

Omada 24-Port 10/100Mbps + 4-Port Gigabit Switch with 24-Port PoE+ · Specification summary



PoE+ Ports	24× 10/100 Mbps
Gigabit RJ45 Ports	2
Gigabit Combo RJ45/SFP Uplink Ports	2
PoE Power Budget	250 W
Centralized Cloud Management	Supported
Static Routing	Supported
Fan Quantity	2
Physical Security Lock	Yes
Power Supply	100-240 VAC, 50/60 Hz
PoE Standard	802.3at/af compliant
Dimensions (W x D x H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
Mounting	Rack Mountable
Max. Power Consumption	291.6 W (110 V / 60 Hz) (with 250 W PD connected)
Max. Heat Dissipation	995.09 BTU/hr (110V/60Hz) (with 250 W PD connected)
Packet Buffer Memory	4.1 Mbit
Jumbo Frame	9 KB
Switching Capacity	12.8 Gbps
Packet Forwarding Rate	9.52 Mpps
MAC Address Table	8K
Quality of Service	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; Storm Control: Multiple Control Modes(kbps/ratio), Broadcast/Multicast/Unknown-Unicast Control
L2 and L2+ Features	16 IP Interfaces: Support IPv4/IPv6 Interface; Static Routing: 32 IPv4/IPv6 Static Routes; DHCP Server; DHCP Relay: DHCP Interface Relay, DHCP VLAN Relay; DHCP L2 Relay; Static ARP; Proxy ARP; Gratuitous ARP; Link Aggregation; Spanning Tree Protocol; Loopback Detection; 802.3x Flow Control; Mirroring; Device Link Detect Protocol (DLDP); 802.1ab LLDP/LLDP-MED
L2 Multicast	511 IPv4, IPv6 shared multicast groups; IGMP Snooping; Multicast VLAN Registration (MVR); Multicast Filtering; Limited IP Multicast (256 profiles and 16 entries per profile)
VLAN	VLAN Group: Max. 4K VLAN Groups, 802.1Q tag VLAN, MAC VLAN: 12 Entries, Protocol VLAN, GVRP, Voice VLAN

Access Control List	Support up to 230 entries; Time-based ACL; MAC ACL; IP ACL; IPv6 ACL; Combined ACL; Rule Operation: Permit/Deny; Policy Action: Mirroring, Redirect, Rate Limit, QoS Remark; ACL Rules Binding: Port Binding, VLAN Binding
IPv6	IPv6 Static Routing and ACL; IPv6 Dual IPv4/IPv6; IPv6 Interface; 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
MIBs	MIB II (RFC1213); Bridge MIB (RFC1493); P/Q-Bridge MIB (RFC2674); Radius Accounting Client MIB (RFC2620); Radius Authentication Client MIB (RFC2618); Remote Ping, Traceroute MIB (RFC2925); Support TP-Link private MIBs; RMON MIB(RFC1757, rmon 1,2,3,9)
Omada App	Yes. Requiring the use of Omada Hardware Controller, Omada Cloud-Based Controller, or Omada Software Controller.
Centralized Management	Omada Cloud-Based Controller, Omada Hardware Controller, Omada Software Controller
Cloud Access	Yes. Requiring the use of Omada Hardware Controller, 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 telnet; 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; SNTP; System Log
Certification	CE, FCC
Package Content	SL2428P, Power Cord, Installation Guide, Rackmount Kit, Rubber Feet
Operating Temperature	0°C~50°C (32°F~122°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

Specifications are summarised from the manufacturer's published information (checked 2026-10-27). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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