TP-Link TL-SG1024DE

24-Port Gigabit Easy Smart Switch · Specification summary



Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p
Interface	24 10/100/1000Mbps RJ45 Ports; AUTO Negotiation/AUTO MDI/MDIX
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m); 100BASE-TX: UTP category 5, 5e cable (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m); 1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m); EIA/TIA-568 100Ω STP (maximum 100m)
Fan Quantity	Fanless
Physical Security Lock	No
Power Supply	100-240VAC, 50/60Hz
Dimensions (W × D × H)	11.6 × 7.1 × 1.7 in (294 × 140 × 44 mm)
Mounting	Rack Mountable
Max. Power Consumption	13.66W (220V/50Hz)
Max. Heat Dissipation	46.58 BTU/h
Packet Buffer Memory	4.1Mbit
Jumbo Frame	10KB
Switching Capacity	48Gbps
Packet Forwarding Rate	35.7Mpps
MAC Address Table	8K
Quality of Service	Support Port-based/802.1p/DSCP priority; Support 4 priority queues; Rate Limit; Storm Control
L2 Features	IGMP Snooping V1/V2/V3; Static Link Aggregation; Port Mirroring; Cable Diagnostics; Loop Prevention
VLAN	Supports up to 32 VLANs simultaneously (out of 4K VLAN IDs); MTU/Port/Tag VLAN
Transmission Method	Store-And-Forward
Certification	FCC, CE
Package Content	TL-SG1024DE; Power Cord; Installation Guide; Rackmount Kit; Rubber Feet
Environment	Operating Temperature: 0℃~40℃ (32℉~104℉); Storage Temperature: -40℃~70℃ (-40℉~158℉); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). 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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