

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x IEEE 802.3af, IEEE 802.3at, IEEE 802.1q, IEEE 802.1p
Interface	26 10/100/1000 Mbps RJ45 Ports 2 Gigabit SFP Ports
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) 1000BASE-X MMF, SMF
Fan Quantity	2 Fans
Physical Security Lock	Yes
Power Supply	100-240V AC, 50/60 Hz
PoE Ports (RJ45)	Standard: 802.3at/802.3af compliant PoE+ Ports: 24 Ports Power Supply: 250 W
Dimensions (W x D x H)	17.3 × 8.7 × 1.73 in (440 × 220 × 44 mm)
Mounting	19" 1U rack mountable
Max. Power Consumption	27 W (no power device connected) 304.7 W (with 250W power device connected)
Max. Heat Dissipation	92.1 BTU/h (no PD connected) 1,039.0 BTU/h (with 250 W PD connected)

PERFORMANCE

Switching Capacity	56 Gbps
Packet Forwarding Rate	41.7 Mbps
MAC Address Table	8K
Packet Buffer Memory	4.1 Mbit
Jumbo Frame	9 KB

SOFTWARE FEATURES

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 PoE Auto Recovery
VLAN	Support up to 32 VLANs simultaneously (out of 4K VLAN IDs) MTU/Port/Tag VLAN
Management Features	Web-Based GUI Easy Smart Configuration Utility
Transmission Method	Store-And-Forward

OTHERS

Certification	CE, FCC, RoHS
Package Content	TL-SG1428PE Power Cord Installation Guide Rackmount Kit Rubber Feet
Environment	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