

Easy Smart Switch | Datasheet

TL-SG1428PE

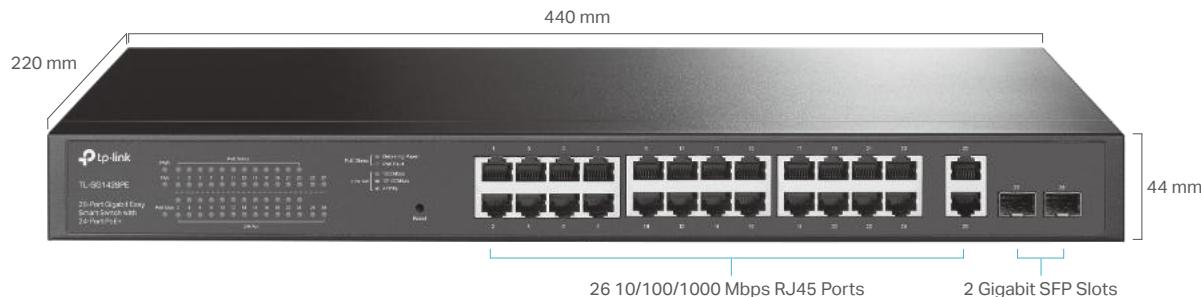
28-Port Gigabit Easy Smart Switch with 24-Port PoE+



Highlights

- 24 10/100/1000Mbps RJ45 PoE+ Ports Switch with 2 SFP Slots.
- PoE power budget is up to 250 W*, making it ideal for small to medium business surveillance systems.
- Priority Mode helps to guarantee the quality of sensitive application like video monitoring.
- PoE Auto Recovery enables system self-healing to guarantee the stable operation of PoE-connected devices.
- QoS is for smooth internet-surfing experience and IGMP Snooping is capable of optimizing traffic for IPTV.
- Intelligent power management can protect the switch from overload.

Product Pictures



Specifications

Hardware Features & Performance		
Model	TL-SG1428PE	
General	Interfaces	26 10/100/1000Mbps RJ45 Ports 2 Gigabit SFP Slots
PoE	PoE Standard	802.3 af/at
	PoE Ports	24, up to 30 W Per Port
	PoE Power Budget	250 W*
Performance	Switching Capacity	56 Gbps
	Packet Forwarding Rate	41.66 Mpps
	Max Address Table	8 K
	Packet Buffer	4.1 Mbit
	Jumbo Frame	10 KB
Physical & Environment	Power Supply	100-240V AC, 50/60Hz
	Maximum Power Consumption	25.5 W (220V/50Hz, no PD connected) 299.2 W (220V/50Hz, with 250W PD connected)
	Maximum Heat Dissipation	86.96 BTU/h (no PD connected) 1020.27 BTU/h (with 250 W PD connected)
	Dimensions (W×D×H)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	Noise	Max: 47.8 dBA @50cm 25°C Min: 35.5 dBA @50cm 25°C
	FAN Quantity	2
	Operating Temperature	0°C~50°C (32°F~122°F)
	Storage Temperature	-40°C~70°C (-40°F~158°F)
	Operating Humidity	10%~90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing
	Certification	CE, FCC

Specifications

Software Features	
L2 Features	• Link Aggregation - Static link aggregation - Up to 8 aggregation groups and up to 4 ports per group • Loopback Detection • Port Statistics • Cable Test • Flow Control • Mirroring - Port Mirroring - Ingress/Egress/Both
IGMP Snooping	• IGMP v1/v2/v3 Snooping • 128 Max Multicast Entries
VLAN	• 802.1Q VLAN • Port Based VLAN • MTU VLAN
QoS	• Port Based, 802.1p Based, 802.1p QoS/ DSCP priority • Bandwidth Control - Ingress Rate/Egress Rate/Both • Storm Control - Broadcast/Multicast/Unknown-Unicast Control
PoE	• PoE Management • PoE Auto Recovery • Extend Mode

Disclaimers

- Only Cat5e or better cables do not need to be replaced.
- PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.