

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 Standard	802.3 af/at
PoE	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	<ul style="list-style-type: none">• Link Aggregation<ul style="list-style-type: none">- Static link aggregation- Up to 8 aggregation groups and up to 4 ports per group• Loopback Detection• Port Statistics• Cable Test• Flow Control• Mirroring<ul style="list-style-type: none">- Port Mirroring- Ingress/Egress/Both
IGMP Snooping	<ul style="list-style-type: none">• IGMP v1/v2/v3 Snooping• 128 Max Multicast Entries
VLAN	<ul style="list-style-type: none">• 802.1Q VLAN• Port Based VLAN• MTU VLAN
QoS	<ul style="list-style-type: none">• Port Based, 802.1p Based, 802.1p QoS/ DSCP priority• Bandwidth Control<ul style="list-style-type: none">- Ingress Rate/Egress Rate/Both• Storm Control<ul style="list-style-type: none">- Broadcast/Multicast/Unknown-Unicast Control
PoE	<ul style="list-style-type: none">• 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.

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