Easy Smart Switch | Datasheet

TL-SG1218MPE

18-Port Gigabit Easy Smart Switch with 16-Port PoE+

Highlights

- 16× PoE+ gigabit RJ45 ports, 2× gigabit non-PoE RJ45 ports and 2× combo gigabit SFP slots.
- PoE power budget is up to 250 W, making it ideal for small to medium business surveillance systems.*
- Port Priority is able to guarantee the quality of sensitive application like video monitor.
- PoE Auto Recovery automatically reboots your dropped or unresponsive PoE-powered devices.
- Intelligent power management protects the switch from overload.
- QoS ensures smooth traffic for latency sensitive applications.
- IGMP Snooping optimizes multimedia traffic delivery, such as IPTV.

Product Pictures

18 10/100/1000Mbps RJ45 Ports   2 Gigabit Combo SFP Slots

Specifications

Hardware Features & Performance		
Model	TL-SG1218MPE	
General	Interfaces	18 10/100/1000Mbps RJ45 Ports 2 Gigabit Combo SFP Slots
PoE	PoE Standard	802.3 af/at
	PoE Ports	16, up to 30 W Per Port
	PoE Power Budget	250 W*
Performance	Switching Capacity	36 Gbps
	Packet Forwarding Rate	26.78 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	19.4 W (220V/50Hz. no PD connected) 293.3 W (220V/50Hz. with 250W PD connected)
	Maximum Heat Dissipation	66.15 BTU/h (no PD connected) 1000.15 BTU/h (with 250 W PD connected)
	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 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.