

Power over Ethernet for Simplified Network Deployment

- Features 16 802.3af/at compliant PoE+ ports, with a total PoE power budget of 250 W*
- Flexible deployment for PoE supported devices such as wireless access points (APs), IP cameras and IP phones
- Designed to use a single Ethernet cable for both data and power transmission, lowering infrastructure costs

Gigabit Expansion Solution

- 18 10/100/1000 Mbps ports provide up to 36 Gbps Switching Capacity.
- 10 KB Jumbo Frame improves performance of large data transfer.
- IEEE 802.3x flow control provides reliable data transfer.

Highlight Performance


- 802.1p and DSCP QoS ensure smooth traffic.
- Durable metal casing and professional heat dissipation design ensure a wide operating temperature range (0 °C–50°C).
- Up to 250m data and power transmitting range under Extend Mode.**
- Priority mode for ports 1–4 to guarantees the quality of sensitive applications like video monitor.
- Isolation Mode allows one-click client traffic separation for higher security and performance.
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices.

Easy to Use

- Just plug & play, no configuration required.
- Auto MDI/MDIX eliminates the need for crossover cables.
- Auto-negotiation intelligently adjusts for compatibility and optimal performance.

Specifications

Hardware Features & Performance

Product Picture		
Model		TL-SG1218MP
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*
	Extend Mode	YES (Ports 1–4)
	Priority Mode	YES (Ports 1–4)
	Isolation Mode	YES
	PoE Auto Recovery	YES
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 (220V/50Hz)	19 W (220V/50Hz, no PD connected) 293.34 W (220V/50Hz, with 250W PD connected)
	Maximum Heat Dissipation	64.79 BTU/h (no PD connected) 1000.29 BTU/h (with 192 W PD connected)
	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	FAN Quantity	2
	Operating Temperature	-10°C ~ 50°C (14°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

* 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.

**The speed of the ports which are under extend mode will be downgraded to 10 Mbps. Actual transmission distance may vary from the quality of the cables.

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