


# Specifications

## Hardware Features & Performance

Product Picture			
Model		TL-SG1218MPE	TL-SG1428PE
General	Interfaces	18 10/100/1000Mbps RJ45 Ports 2 Gigabit Combo SFP Slots	26 10/100/1000Mbps RJ45 Ports 2 Gigabit SFP Slots
PoE	PoE Standard	802.3 af/at	802.3 af/at
	PoE Ports	16, up to 30 W Per Port	24, up to 30 W Per Port
	PoE Power Budget	250 W*	250 W*
Performance	Switching Capacity	36 Gbps	56 Gbps
	Packet Forwarding Rate	26.78 Mpps	41.66 Mpps
	Max Address Table	8 K	8 K
	Packet Buffer	4.1 Mbit	4.1 Mbit
	Jumbo Frame	10 KB	10 KB
Physical & Environment	Power Supply	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz
	Maximum Power Consumption (220V/50Hz)	21.41 W (220V/50Hz, no PD connected) 296.3 W (220V/50Hz, with 250W PD connected)	27 W (220V/50Hz, no PD connected) 304.7 W (220V/50Hz, with 250W PD connected)
	Maximum Heat Dissipation	73.01 BTU/h (no PD connected) 1010.38 BTU/h (with 192 W PD connected)	92.07 BTU/h (no PD connected) 1039.03 BTU/h (with 192 W PD connected)
	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)	17.3 × 8.7 × 1.7 in. (440 × 220 × 44 mm)
	FAN Quantity	2	2
	Operating Temperature	0°C~50°C (32°F~122°F)	0°C~50°C (32°F~122°F)
	Storage Temperature	-40°C~70°C (-40°F~158°F)	-40°C~70°C (-40°F~158°F)
	Operating Humidity	10%~90%RH, non-condensing	10%~90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing	5%~90%RH, non-condensing
Certification	CE, FCC	CE, FCC	

## Software Features

L2 Features	<ul style="list-style-type: none"> <li>• Link Aggregation                             <ul style="list-style-type: none"> <li>- Static link aggregation</li> <li>- Up to 8 aggregation groups and up to 4 ports per group</li> </ul> </li> <li>• Loopback Detection</li> <li>• Port Statistics</li> <li>• Cable Test</li> <li>• Flow Control</li> <li>• Mirroring                             <ul style="list-style-type: none"> <li>- Port Mirroring</li> <li>- Ingress/Egress/Both</li> </ul> </li> <li>• PoE Auto Recovery</li> </ul>
IGMP Snooping	<ul style="list-style-type: none"> <li>• IGMP v1/v2/v3 Snooping</li> <li>• 128 Max Multicast Entries</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• 802.1Q VLAN</li> <li>• Port Based VLAN</li> <li>• MTU VLAN</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Port Based, 802.1p Based, 802.1p QoS/ DSCP priority</li> <li>• Bandwidth Control                             <ul style="list-style-type: none"> <li>- Ingress Rate/Egress Rate/Both</li> </ul> </li> <li>• Storm Control                             <ul style="list-style-type: none"> <li>- Broadcast/Multicast/Unknown-Unicast Control</li> </ul> </li> </ul>

\* 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.

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: [www.tp-link.com](http://www.tp-link.com).

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