

JetStream 16-Port Gigabit Easy Smart PoE+ Switch with 2 SFP Slots Datasheet

MODEL: TL-SG1218MPE



Highlights

- 16 PoE+ 10/100/1000Mbps RJ45 ports, 2 Gigabit SFP slots
- High PoE power budget with up to 30W for each PoE port and 192W for all PoE ports
- Advanced Features for higher performance like 802.1Q VLAN, 802.1p QoS and IGMP Snooping.
- Intelligent power management module like PoE Schedule, PoE Priority, PoE Power Limit.

Overview

TP-Link's new TL-SG1218MPE PoE switch with all 16 ports supporting the PoE+ standard provides a simple way to expand the wired network while transferring power over the same ethernet cable at the same time. With a total power budget of 192W, up to 30W per port, and the powerful PoE Module, TL-SG1218MPE can power more high-powered devices such as Access Points, IP Cameras, IP Phones. Moreover, TL-SG1218MPE can provide 802.1q VLAN, IGMP Snooping, LAG and other software functions to meet various network configuration needs.



Power over Ethernet for simplicified Network Deployment

- Features 16 802.3af/at compliant PoE+ ports, with a total PoE power budget of 192W
- Flexible deployment for PoE supported devices such as wireless access points, IP Phones and IP Cameras
- Designed to use a single Ethernet cable for both data and power transmission, lowering infrastructure costs.

Highlight Performance

- Advanced feature QoS optimizes the performance of quality-sensitive application like Surveillance Video. And IGMP Snooping ensures the multicast stream be forwarded intelligently to the appropriate subscribers by the switch.
- After configure the PoE management module, TL-SG1218MPE can control the Power Limit, Port Priority, and PoE Scheduling of each PoE port.

Easy to Use

- 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-SG1218MPE		
General	Interfaces	16 10/100/1000Mbps RJ45 Ports 2 Gigabit SFP Slots		
PoE	PoE Standard	802.3 af/at		
	PoE Ports	16, up to 30W		
	PoE Power Budget	192W		



Specifications

Performance	Switching Capacity	36Gbps
	Packet Forwarding Rate	23.8Mpps
	Max Address Table	8K
	Packet Buffer	4.1Mbit
	Jumbo Frame	9KB
	Power Supply	100-240V AC, 50/60Hz
	Maximum Power Consumption (220V/50Hz)	18.73W (220V/50Hz. no PD connected) 217.22W (220V/50Hz. with 192W PD connected)
	Maximum Heat	63.89 BTU/h (no PD connected)
	Dissipation	741.15 BTU/h (with 192W PD connected)
Physical &	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
Environment	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

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	• IGMP v1/v2/v3 Snooping			
Snooping	• 128 Max Multicast Entries			
VLAN	802.1Q VLAN Port Based VLAN MTU VLAN			
QoS	Port Based, 802.1p Based, 802.1p CoS/ DSCP priority Bandwidth Control Ingress Rate/Egress Rate/Both Storm Control Broadcast/Multicast/Unknown-Unicast Control			

Ordering Information

Host Switch	
Product Model	Description
TL-SG1218MPE	JetStream 16-Port Gigabit Easy Smart PoE+ Switch with 2 SFP Slots
SFP Modules	
Product Model	Description
TL-SM311LS	Gigabit SFP module, Single-mode, LC interface, Up to 10km distance
TL-SM311LM	Gigabit SFP module, Multi-mode, LC interface, Up to 550m distance
TL-SM321A	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1550nm/RX:1310nm, 10km
TL-SM321B	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1310nm/RX:1550nm, 10km
Router	
Product Model	Description
TL-ER6120	SafeStream Gigabit Dual-WAN VPN Router
TL-ER5120	Gigabit Load Balance Broadband Router
Media Converter	
Product Model	Description
MC210CS	Gigabit single-mode SC SFP Transceiver, up to 15Km, chassis mountable
MC200CM	Gigabit multi-mode SC SFP Transceiver, up to 550m, chassis mountable
MC220L	Gigabit SFP slot supporting mini-GBIC modules, chassis mountable
MC1400	14-slot power supply chassis for TP-LINK Media Converter, 19-inch rack-mountable