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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
Physical & Environment	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 Dissipation	63.89 BTU/h (no PD connected) 741.15 BTU/h (with 192W PD connected)
	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	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 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 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

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