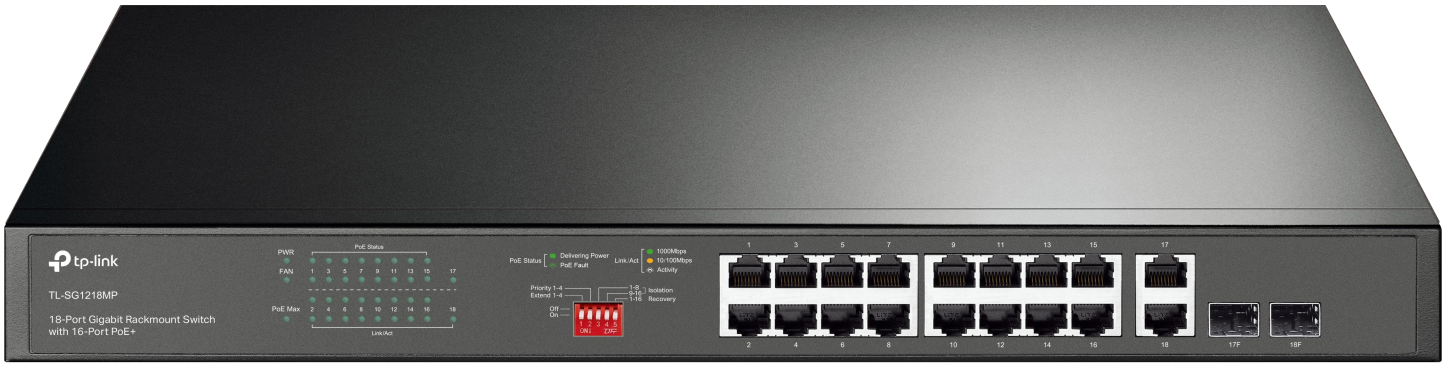
Unmanaged Switch | Datasheet

TL-SG1218MP V5

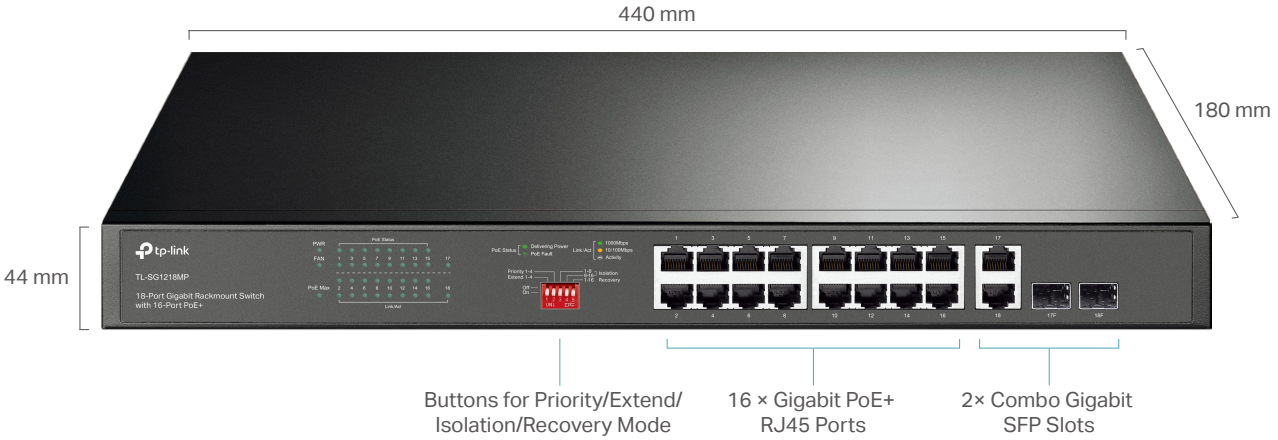
18-Port Gigabit Rackmount Switch with 16 PoE+



Highlights

- 16× Gigabit PoE+ RJ45 ports, 2× Gigabit on-PoE RJ45 ports, and 2× Combo Gigabit SFP slots
- High PoE power budget with up to 30 W for each PoE port and 250 W* for all PoE ports
- Working with IEEE 802.3af/at compliant PDs
- 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
- Plug and Play. No configuration or central management required.

Product Pictures



Specifications

Model	TL-SG1218MP V5
Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q
Interface	• 16× 10/100/1000 Mbps PoE+ RJ45 ports • 2× Combo Gigabit SFP slots • AUTO Negotiation/AUTO MDI/MDIX
Network Media	• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) • 100BASE-TX: UTP category 5 or above cable (maximum 100m) • 1000BASE-T: UTP category 5e or above cable (maximum 100m) • 1000BASE-X MMF, SMF
PoE Ports (RJ45)	• Standard: 802.3at/802.3af compliant • PoE Ports: Ports 1–16, up to 30 W per port • PoE Power Budget: 250 W
Forwarding Method	Store-and-Forward
Packet Forwarding Rate	26.79 Mpps
Switching Capacity	36 Gbps
Packet Buffer Capacity	4.1 Mbit
MAC Address Table	8K
Jumbo Frame	10 KB
Advanced Functions	• Compatible With IEEE 802.3af/at Compliant PDs • Extend Mode: Ports 1–4 • Priority Mode: Ports 1–4 • Isolation Mode: Ports 1-8 / 9-16 • PoE Auto Recovery: Ports 1-16 • Mac Address Auto-Learning and Auto-Aging • 802.1p/DSCP QoS • IEEE 802.3x Flow Control

Model	TL-SG1218MP V5
External Power Supply	100–240 VAC, 50/60 Hz
Max Power Consumption	293.3 W
Max Heat Dissipation	997.22 BTU/h
Physical Security Lock	Yes
Fan Quantity	2
Noise	Min: 45.5 dBA @50cm 25°C Max: 48.95 dBA @50cm 25°C
Dimensions (W x D x H)	17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm)
Installation	Desktop/Rack Mountable
Certification	CE, FCC
Package Contents	Switch, Installation Guide, Power Cord, Rackmount Kit, Rubber Feet
Environment	• Operating Temperature: 0–50 °C (32–122 °F) • Storage Temperature: -40–70 °C (-40–158 °F) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing

Disclaimers

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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