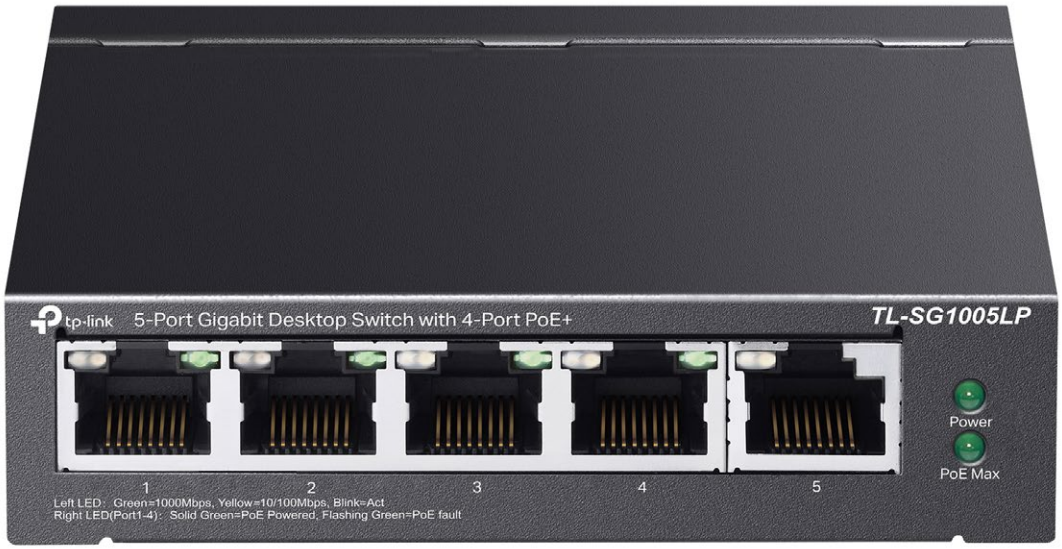
Unmanaged Switch | Datasheet

TL-SG1005LP

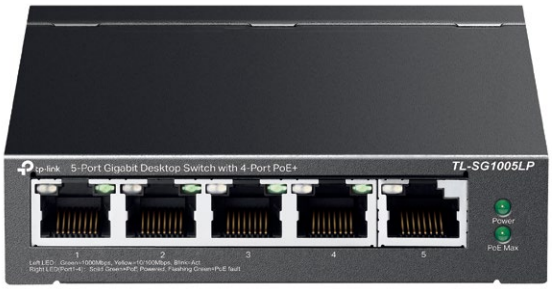
5-Port Gigabit Desktop Switch with 4-Port PoE+



Highlights

- **Four Gigabit PoE+ Ports.** 4× Gigabit PoE+ ports with up to 30 W PoE output per port, 40 W total PoE budget*
- **Extend Mode.** Up to 250m data and power transmitting range under Extend Mode**
- **PoE Auto Recovery.** Guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD device
- **Plug and Play.** Allows for easy deployment without the need for a technician.
- **Silent Operation.** Industry-leading fanless design ensures silent operation, ideal for any home or business
- **Metal Casing.** Durable metal casing and desktop/wall-mounting design are well-suited for different environments.

Product Pictures



Specifications

Model	TL-SG1005LP
Standards	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Interface	• 5*10/100/1000 Mbps RJ45 Ports with 4 PoE+ Ports (Port 1 to Port 4) • AUTO Negotiation/AUTO MDI/MDIX
Network Media (Cable)	• 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)
Max Power Consumption	46.9 W
Max Heat Dissipation	159.46 BTU/h
PoE Ports (RJ45)	PoE Standard: 802.3 af/at PoE Ports: 1-4, up to 30 W per port PoE Power Budget: 40 W
Transmission Method	Store-And-Forward
Packet Forwarding Rate	7.44 Mbps
Switch Capacity	10 Gbps
MAC Address Table	2K
Packet Buffer Capacity	1 Mbit
Jumbo Frame	9 KB

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MTBF	611257 hours @ 25° C
Extend Mode	For Ports 1-2
PoE Auto Recovery	For Ports 1-4
Advanced Features	• Compatible With IEEE 802.3af/at Compliant PDs • Mac Address Auto-Learning And Auto-Aging • IEEE 802.3x Flow Control • 802.1p/DSCP QoS • IGMP Snooping
Fan Quantity	Fanless
External Power Supply	External Power Adapter (Output: 53.5 VDC / 0.81 A)
Dimensions (W x D x H)	3.9 x 3.9 x 1.0 in. (99.8 x 98 x 25 mm)
Certification	FCC, CE
Package Contents	Switch, Power Adapter, Installation Guide, Power Cord, Rubber Feet
Operating Temperature	-5°C to 40 °C (23 °F to 104°F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158°F)
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 90% 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 in extend mode will downgrade to 10 Mbps. The actual transmission distance may vary due to the power consumption of PoE-powered devices or the cable quality and type.

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