



# Unmanaged Switch | Datasheet

## TL-SG105PP-M2

5-Port 2.5G Desktop Switch with 4-Port PoE++



## Highlights

- 5× 100 Mbps/1 Gbps/2.5 Gbps RJ45 ports
- With four PoE++ ports, transfers data and power on one single cable
- Works with IEEE 802.3af/at/bt type3 compliant PDs
- 802.1p/DSCP QoS enable smooth latency-sensitive traffic
- Supports PoE Power up to 60 W for each PoE++ port
- Supports PoE Power up to 123 W for all PoE ports\*
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices
- Plug and Play, no configuration and installation required

# Product Pictures



# Specifications

Model		TL-SG105PP-M2
Hardware Features	Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
	Interface	5× 100Mbps/1Gbps/2.5Gbps Ports AUTO Negotiation, AUTO MDI/MDIX
	PoE Ports	<ul style="list-style-type: none"> <li>Standard: 802.3 af/at/bt type3 compliant</li> <li>PoE++ Ports: Ports 1–4</li> <li>Power Supply: 123 W</li> </ul> Max. PoE output per port: 60 W
	Network Media	100Base-TX: UTP category 5 cable or above (max. 100 m) 1000Base-T: UTP category 5e cable or above (max. 100 m) 2.5GBase-T: UTP category 5e cable or above (max. 100 m)
	Fan Quantity	Fanless
	External Power Supply	External Power Adapter (Output: 53.5 VDC / 2.43 A)
	LED	Power, Link/Act, PoE Max, PoE Status
	Dimensions (W x D x H)	6.2 × 4.0 × 1.0 in (158 × 101 × 26 mm)
	Max. Power Consumption	<ul style="list-style-type: none"> <li>7.41 W (220/50 Hz. no PD connected)</li> <li>142.86 W (220/50 Hz. with 123 W PD connected)</li> </ul>
	Max. Heat Dissipation	<ul style="list-style-type: none"> <li>25.19 BTU/h (220 V/50 Hz with no PD connected)</li> <li>485.72 BTU/h (220 V/50 Hz with 123W PD connected)</li> </ul>
Performance	Switching Capacity	25 Gbps
	Packet Forwarding Rate	18.6 Mpps
	MAC Address Table	4K

Software Features	Advanced Features	<ul style="list-style-type: none"> <li>• Compatible With IEEE 802.3af/at/bt type3 Compliant PDs</li> <li>• Mac Address Auto-Learning And Auto-Aging</li> <li>• IEEE 802.3x Flow Control</li> <li>• 802.1p/DSCP QoS</li> <li>• IGMP Snooping</li> <li>• PoE Auto Recovery (Ports 1-4)</li> </ul>
	Transmission Method	Store and Forward
Others	Certifications	CE, FCC, RoHS
	Package Content	<ul style="list-style-type: none"> <li>• TL-SG105PP-M2</li> <li>• Power Adapter</li> <li>• Installation Guide</li> <li>• Rubber Feet</li> </ul>
	Environment	<ul style="list-style-type: none"> <li>• Operating Temperature: -5–40 °C (23–104 °F)</li> <li>• Storage Temperature: -40–70 °C (-40–158 °F)</li> <li>• Operating Humidity: 10–90% RH non-condensing</li> <li>• Storage Humidity: 5–90% RH non-condensing</li> </ul>

#### Disclaimers

Only Cat5e or better cables do not need to be replaced.

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