16-Port Gigabit Easy Smart Switch with 8-Port PoE+ Datasheet

MODEL: TL-SG1016PE

Highlights

- 16× 10/100/1000Mbps RJ45 ports

- Equipped with 8× PoE+ supported ports to transfer data and power over a single cable

- With a total PoE power budget of 150 W,* up to 30 W per port

- Works with IEEE 802.3af/at compliant devices

- Automatically reboots your dropped or unresponsive PoE-powered devices with PoE Auto recovery

- Simple network set-up on top of plug-and-play connectivity

- Web-based user interface and management utility simplify configuration

- Fanless design reduces power consumption and ensures silent operation, ideal for noise-sensitive homes or businesses.

Product Picture

180 mm

44 mm

294 mm

Specifications

General	Interface	16× 10/100/1000 Mbps RJ45 Ports, AUTO Negotiation/AUTO MDI/MDIX
	Port Standard	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p
	Network Cable (Twisted Pair)	10BASE-T: 2-pair UTP/STP of Cat. 3,4,5 (maximum 100 m) 100BASE-TX: 2-pair UTP/STP of Cat. 5 or above (maximum 100 m) 1000BASE-T: 4-pair UTP/STP of Cat. 5e or above (maximum 100 m)
PoE	PoE Standard	802.3 af/at
	PoE Ports	1-8
	PoE Power Budget	150 W*
Performance	Switching Capacity	32 Gbps
	Forwarding Rate	23.8 Mpps
	Transmission Method	Store and Forward
	Packet Buffer Memory	4.1Mbits
	Jumbo Frame	10 KB
Physical & Environment	Power Supply	100-240 V, 50/60 Hz
	Max Power Consumption	13.1 W (220 V/50 Hz. with no PD connected) 173.88 W (220 V/50 Hz. with 150W PD connected)
	Max Heat Dissipation	44.43 BTU/h (220 V/50 Hz. with no PD connected) 591.19 BTU/h (220 V/50 Hz. with 150 W PD connected)
	Standby Power Consumption	5.33 W max (110 V/60 Hz 25 °C) 6.17 W max (220 V/50 Hz 25 °C)
	Fan Quantity	Fanless
	Dimensions(W*D*H)	11.6 * 7.1 * 1.7 in. (294 * 180 * 44 mm) 13-inch Rack mount Steel Case, 1U Height
	Operating Temperature	0℃~45℃ (32°F~113°F)
	Storage Temperature	-40℃~70℃ (-40°F~158°F)
	Operating Humidity	10% ~ 90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing
	Certification	CE, FCC

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