

Omada Reverse PoE Switch | Datasheet

RP108GE

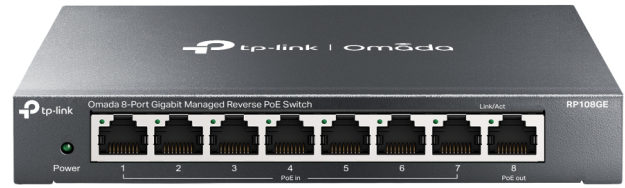
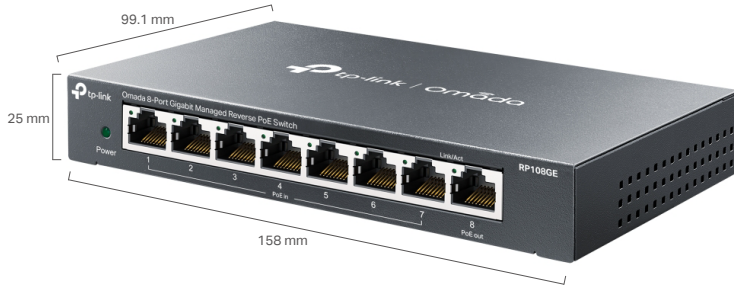
Omada 8-Port Gigabit Reverse PoE Switch



Highlights

- 7 PoE input and 1 PoE output 10/100/1000 Mbps RJ45 Ports
- 1 DC output port that supports both 5V and 12 V voltage switching
- Durable metal casing of superior quality and professional appearance
- Intelligent management via a web user interface and downloadable utility
- Green technology reduces power consumption

Product Pictures



7 × Passive PoE-in RJ45 Ports 1 × Passive PoE-out RJ45 Port



5V/12V Voltage Switch DC Output Port

Specifications

Hardware Features & Performance

Model		RP108GE V1.20
General	Interfaces	7 Passive PoE-in RJ45 Ports: 10/100/1000Mbps Auto-Negotiation Voltage: 24/48 V (mixture is not supported) Power pin of Ethernet cable: 4/5+ 7/8- 1 Passive PoE-out RJ45 Port: 10/100/1000Mbps Auto-Negotiation Voltage: depending on the input voltage of PoE-in ports Power pin of Ethernet cable: 4/5+ 7/8- 1 DC Output Port: Voltage: 5/12 V
	Mounting	Desktop/Wall Mounting
Performance	Switching Capacity	16 Gbps
	Forwarding Rate	11.9 Mpps
	MAC Address Table	4K
	Jumbo Frame	16 KB
Physical & Environment	Maximum Power Consumption	3.98 W (no PD connected) 18.01 W (24 V voltage with PD connected) 32.74 W (48 V voltage with PD connected)
	Maximum Heat Dissipation	13.57BTU/h (no PD connected) 61.41BTU/h (24 V voltage with PD connected) 111.64BTU/h (48 V voltage with PD connected)
	Dimensions (W×D×H)	6.2 x 3.9 x 1.0 in. (158 x 99.1x 25 mm)
	Fan Quantity	Fanless
	Operating Temperature	0 °C–40 °C (32 °F–104 °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	
Model	RP108GE V1.20
L2 Features	• IGMP Snooping
	• Static Link Aggregation
	• Port Mirroring
	• Loop Prevention
VLAN	• 32 VLANs (out of 4K VLAN IDs)
	• MTU/Port/802.1Q VLAN
QoS	• 4 Priority Queues
	• 802.1p/DSCP QoS
	• Rate Limit
	• Storm Control
Management	• Web-based Graphic User Interface (GUI)
	• Easy Smart Configuration Utility

Disclaimers:

1. When the reverse switch functions, do not use the alternation switch to change output voltage of the DC output port, and do not plug in or plug out cables connected to port 1–8.
2. It is recommended to use PoE injectors with overcurrent protection.
3. The input voltage of PoE-in ports should be higher than 18 V and lower than 51 V.
4. When the input voltage of port 1–7 is 24 V ($\pm 5\%$), the total output power should be ≤ 10 W, the maximum output current of DC out is 1.2 A/5 V and 0.8 A/12 V. When the input voltage of port 1–7 is 48 V ($\pm 5\%$), the total output power should be ≤ 26 W, the maximum output current of DC out is 0.9 A/5 V and 1.0 A/12 V.
5. The device connected to port 8 should support passive PoE, otherwise, the impedance between pair 4&5 and pair 7&8 should be higher than 1 M Ω .

Some models featured in this guide may be unavailable in your country or region. Visit TP-Link website for local sales information: www.tp-link.com.

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