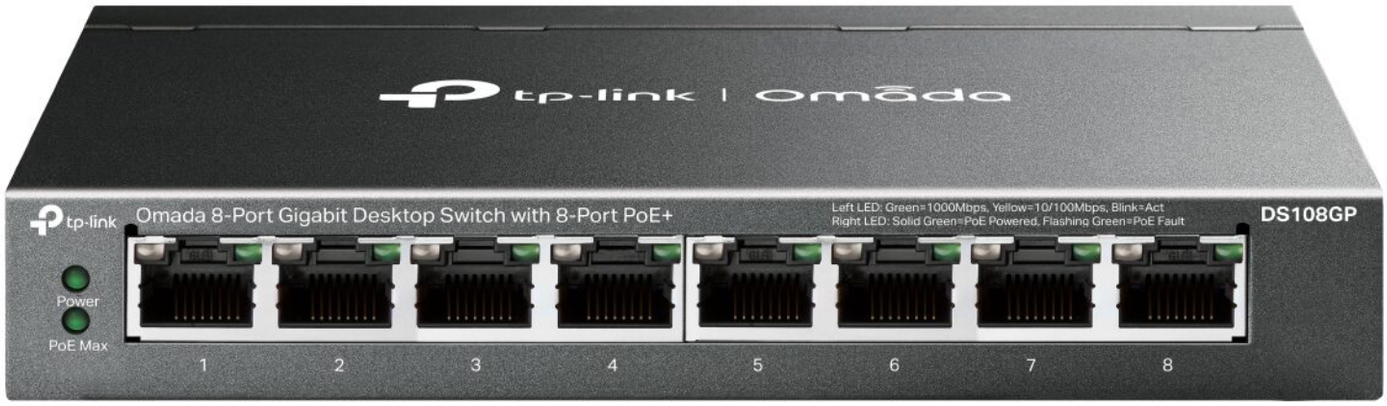
Omada Unmanaged Switch | Datasheet

DS108GP

Omada 8-Port Gigabit Unmanaged Desktop Switch with 8-Port PoE+



Highlights

- 8× 10/100/1000 Mbps RJ45 ports
- 8× PoE+ ports transfer data and power on individual cables
- Works with IEEE 802.3af/at compliant PDs
- 802.1p/DSCP QoS enable smooth latency-sensitive traffic
- Supports PoE power up to 30 W for each PoE port
- Supports PoE power up to 65 W for all PoE ports
- Up to 250m (820ft) 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 devices
- Plug and Play. No configuration or central management required.

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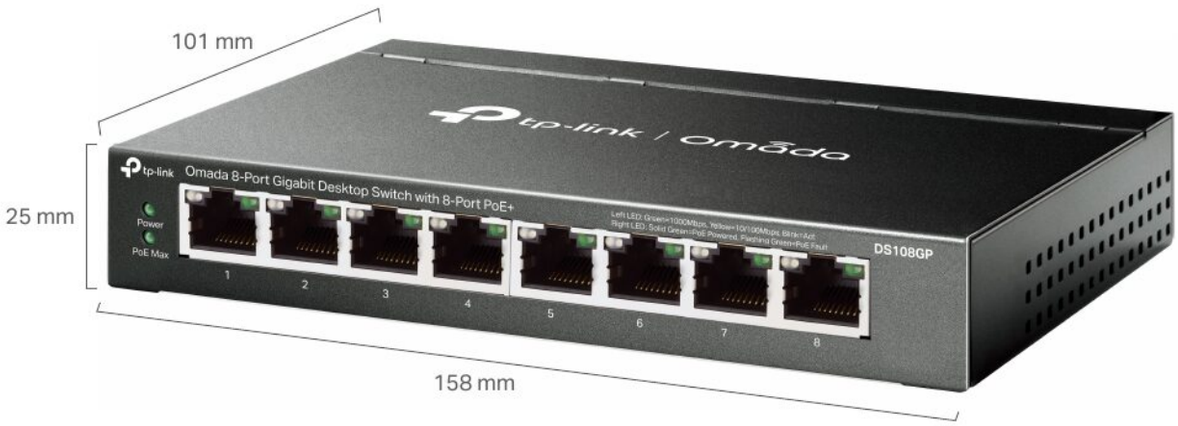
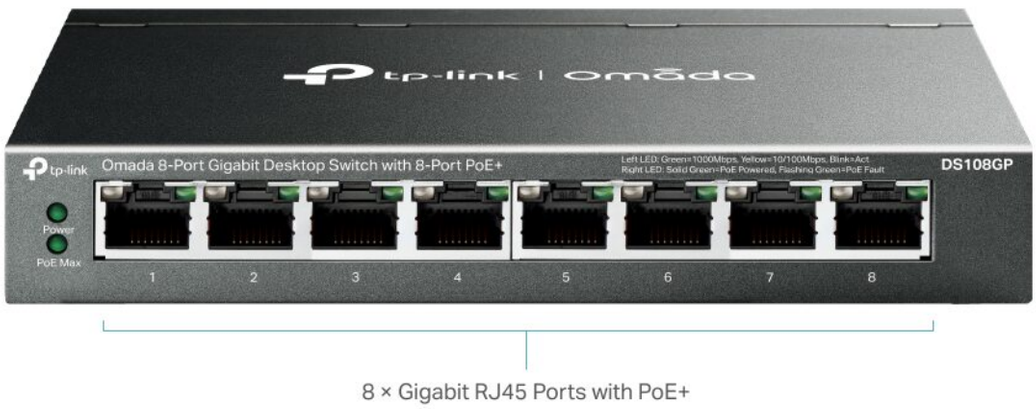
Product Pictures





8 × Gigabit RJ45 Ports with PoE+



Switch for Extend Mode

Switch for PoE Auto Recovery

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Specifications

Model	DS108GP
Interface	• 8× 10/100/1000 Mbps RJ45 Ports • 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	76.59 W
Max Heat Dissipation	260.41 BTU/h
PoE Ports (RJ45)	• Standard: 802.3 af/at compliant • PoE Ports: Ports 1–8 • Power Supply: 65 W
Packet Forwarding Rate	11.90 Mpps
Transmission Method	Store-And-Forward
Switching Capacity	16 Gbps
MAC Address Table	4K
Packet Buffer Capacity	1.5 Mbit
Jumbo Frame	16 KB
Advanced Functions	• Compatible With IEEE 802.3af/at Compliant PDs • IGMP Snooping • Mac Address Auto-Learning And Auto-Aging • IEEE802.3x Flow Control • 802.1p/DSCP QoS • Extend Mode Button (Ports 1–2, Up to 250 m PoE power supply and data transmission) • PoE Auto Recovery (Ports 1-8)
Fan Quantity	Fanless
Physical Security Lock	Yes
External Power Supply	External Power Adapter (Output: 53.5 VDC / 1.31 A)
Dimensions (W x D x H)	6.2×4.0×1.0 in (158×101×25 mm)
Certification	FCC, CE, RoHS
Package Contents	Switch, Power Adapter, Installation Guide
Environment	• Operating Temperature: 0–40 ℃ (32–104 ℉); • Storage Temperature: -40–70 ℃ (-40–158 ℉) • Operating Humidity: 10–90% RH non-condensing • Storage Humidity: 5–90% RH non-condensing

Disclaimers

The speed of the ports in extend mode will downgrade to 10 Mbps. The actual transmission distance may vary due to power consumption of PoE-powered devices or the cable quality and type.

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.

Omada Unmanaged Switches do not support Omada SDN central management.

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