

## Unmanaged Switch

### Datasheet

#### DS108GP

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.†

# Product Pictures



## Specifications

Features & Performance	
	Model DS108GP
Hardware Features	Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1p
	Interface • 8× 10/100/1000 Mbps RJ45 Ports • AUTO Negotiation • AUTO MDI/MDIX
	Network Media • 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) • 100BASE-TX: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m) • 1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
	Fan Quantity Fanless
	Physical Security Lock Yes
	Power Supply External Power Adapter (Output: 53.5 V DC / 1.31 A)
	Dimensions (W x D x H) 6.2×4.0×1.0 in (158×101×25 mm)
	Max. Power Consumption • 4.59 W (220/50 Hz no PD connected) • 75.75 W (220/50 Hz with 65 W PD connected)
	Max Heat Dissipation • 15.66 BTU/h (no PD connected) • 258.46 BTU/h (with 65 W PD connected)
	PoE Ports (RJ45) • Standard: 802.3 af/at compliant • PoE Ports: Ports 1–8 • Power Supply: 65 W
Performance	Switching Capacity 16 Gbps
	Packet Forwarding Rate 11.904 Mpps
	MAC Address Table 4K
	Jumbo Frame 16 KB

Software Features	Advanced Features	<ul style="list-style-type: none"> <li>• Compatible With IEEE 802.3af/at Compliant PDs</li> <li>• IGMP Snooping</li> <li>• Mac Address Auto-Learning And Auto-Aging</li> <li>• IEEE802.3x Flow Control</li> <li>• 802.1p/DSCP QoS</li> <li>• Extend Mode Button (Ports 1–2, Up to 250 m PoE power supply and data transmission)</li> <li>• PoE Auto Recovery (Ports 1–8)</li> </ul>
	Transmission Method	Store and Forward
Others	Certification	CE, FCC, RoHS
	Package Content	<ul style="list-style-type: none"> <li>• DS108GP</li> <li>• Power Adapter</li> <li>• Installation Guide</li> </ul>
Physical & Environment	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
	Operating Humidity	10% to 90% RH non-condensing
	Storage Humidity	5% to 90% RH non-condensing

\*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 power consumption of PoE-powered devices or the cable quality and type.

△Numbers after different modes represent the effective ports for that mode.

†Omada Unmanaged Switches do not support Omada SDN central management.

Some models featured in this guide may be unavailable in your country or region. Visit the Omada by TP-Link website for local sales information: <https://www.omadanetworks.com>. Specifications are subject to change without notice.

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