

Unmanaged Switch

Datasheet

DS105GP

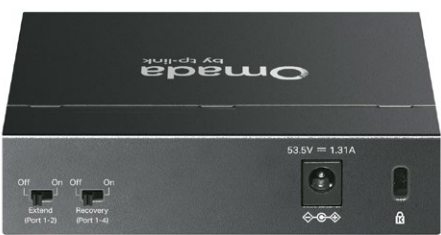
5-Port Gigabit Unmanaged Desktop Switch with 4-Port PoE+



Highlights

- 5× 10/100/1000 Mbps RJ45 ports
- With four PoE+ ports, transfers data and power on one single cable
- 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

Hardware Features & Performance		
Model		DS105GP
Hardware Features	Standards and Protocols	IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1p
	Interface	5× 10/100/1000Mbps RJ45 Ports, Auto-Negotiation, Auto-MDI/MDIX
	PoE Ports (RJ45)	• Standard: 802.3 af/at compliant • PoE Ports: Ports 1–4 • Power Supply: 65 W
	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
	External Power Supply	External Power Adapter (Output: 53.5 VDC / 1.31 A)
	LED	Power, Link/Act, PoE Max, PoE Status
	Dimensions (W × D × H)	3.9×3.9×1.0 in (99.8×98×25 mm)
	Max. Power Consumption	• 3.44 W (220/50 Hz. no PD connected) • 74.49 W (220/50 Hz. with 65 W PD connected)
	Max. Heat Dissipation	• 11.73 BTU/h (no PD connected) • 254.01 BTU/h (with 65 W PD connected)
	Packet Forwarding Rate	7.44 Mpps
	MAC Address Table	2K
	Jumbo Frame	16 KB
	Switching Capacity	10 Gbps

Software Features	Advanced Features	• Compatible With IEEE 802.3af/at Compliant PDs • Mac Address Auto-Learning And Auto-Aging • IEEE 802.3x Flow Control • 802.1p/DSCP QoS • IGMP Snooping • Extend Mode Button (Ports 1–2, Up to 250 m PoE power supply and data transmission) • PoE Auto Recovery (Ports 1-4)
	Transmission Method	Store and Forward
Others	Certification	CE, FCC, RoHS
	Package Content	• DS105GP • Power Adapter • Installation Guide • Power Cord • Rubber Feet
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 which are under extend mode will be downgraded to 10Mbps. Actual transmission distance may vary from the quality of the cables.

[†]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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