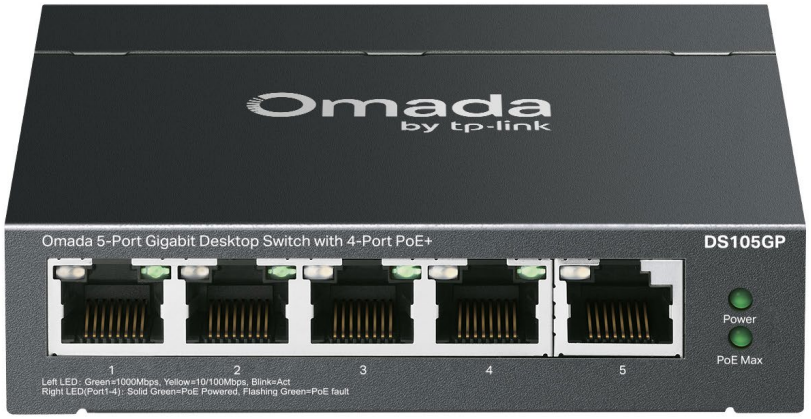
Unmanaged Switch

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
	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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