

Unmanaged Switch

Datasheet DS110GMP

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



Highlights

- 9× Gigabit RJ45 ports, and 1× Gigabit combo SFP/RJ45 Port
- 8× PoE+ ports transfer data and power via a single cable with a total power budget of 123 W*
- Compliance with IEEE 802.3af/at PoE+, the switch supports PoE Power up to 30 W for each PoE port
- Up to 250 m (820ft) data and power transmission range under Extend Mode**
- Priority Mode ensures high priority of ports 1–2 to guarantee the quality of the sensitive applications
- Isolation Mode allows one-click client traffic separation for higher security and performance
- Automatically reboots your dropped or unresponsive PoE-powered devices with PoE Auto Recovery.
- Plug and Play. No configuration or central management required.†
- Fanless design reduces power consumption and works silently in its location

Product Pictures



Specifications

Features & Performance		
Model		DS110GMP
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, IEEE 802.3z
	Interface	• 9× 10/100/1000 Mbps RJ45 Ports • 1× 1000 Mbps Combo SFP/RJ45 Port • 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
	Wall Mountable	Yes
	External Power Supply	External Power Adapter (Output: 53.5VDC / 2.43A)
	PoE Ports (RJ45)	• Standard: 802.3 af/at compliant • PoE Ports: Ports 1–8 • Power Supply: 123W
	Dimensions (W x D x H)	8.2 × 4.9 × 1.0 in (209 × 126 × 26 mm)
	Max. Power Consumption	• 7.93 W (220V/50Hz with no PD connected) • 141.40 W (220V/50Hz with 123W PD connected)
	Max Heat Dissipation	• 27.04 BTU/h (220V/50Hz with no PD connected) • 482.17 BTU/h (220V/50Hz with 123W PD connected)

Performance	Switching Capacity	20 Gbps
	Packet Forwarding Rate	14.88 Mpps
	MAC Address Table	4K
	Advanced Features	• Compatible With IEEE 802.3af/at Compliant PDs • Extend Mode: Ports 1–4 • Priority Mode: Ports 1–2 • Isolation Mode: Ports 1–4/5–8 • PoE Auto Recovery: Ports 1–8 • Mac Address Auto-Learning and Auto-Aging • IEEE802.3x Flow Control for Full-Duplex Mode and Backpressure for Half-Duplex Mode
	Jumbo Frame	16 KB
Others	Certification	CE, FCC
	Package Content	• DS110GMP • Power Adapter • Installation Guide • 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 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.

ΔNumbers 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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