

Unmanaged Switch

Datasheet

DS1018GMP

18-Port Gigabit Unmanaged Rackmount Switch with 16-Port PoE+



Highlights

- 16× Gigabit PoE+ RJ45 ports and 2× Combo Gigabit SFP slots
- High PoE power budget with up to 30 W for each PoE port and 250 W* for all PoE ports
- Working with IEEE 802.3af/at compliant PDs
- Up to 250m data and power transmitting range under Extend Mode**
- Priority mode for ports 1–4 to guarantees the quality of sensitive applications like video monitor
- Isolation Mode allows one-click client traffic separation for higher security and performance
- 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		DS1018GMP
Hardware Features	Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3z, IEEE 802.1p
	Interface	<ul style="list-style-type: none"> • 16× 10/100/1000 Mbps PoE+ RJ45 ports • 2× Combo Gigabit SFP slots
	Network Media	<ul style="list-style-type: none"> • 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) • 1000BASE-X MMF, SMF
	Fan Quantity	2
	Physical Security Lock	Yes
	Power Supply	<ul style="list-style-type: none"> • Standard: 802.3at/802.3af compliant • PoE Ports: Ports 1–16 • PoE Power Budget: 250 W
	Dimensions (W x D x H)	17.3 × 7.1 × 1.73 in (440 × 180 × 44 mm)
	Max. Power Consumption	<ul style="list-style-type: none"> • 19 W (220/50 Hz. no PD connected) • 293.34 W (220/50 Hz. with 250 W PD connected)
	Max Heat Dissipation	<ul style="list-style-type: none"> • 64.79 BTU/h (no PD connected) • 1000.29 BTU/h (with 250 W PD connected)

Performance	Switching Capacity	36 Gbps
	Packet Forwarding Rate	26.78 Mbps
	MAC Address Table	8K
	Packet Buffer Memory	4.1 Mbit
	Advanced Features	<ul style="list-style-type: none"> • Compatible With IEEE 802.3af/at Compliant PDs • Extend Mode: Ports 1–4** • Priority Mode: Ports 1–4 • Isolation Mode: Ports 1-8/9-16 • PoE Auto Recovery: Ports 1-16 • Mac Address Auto-Learning and Auto-Aging • 802.1p/DSCP QoS • IEEE802.3x Flow Control
	Jumbo Frame	10 KB
Others	Certification	CE, FCC, RoHS
	Package Content	<ul style="list-style-type: none"> • DS1018GMP • Installation Guide • Power Cord • Rackmount Kit • Rubber Feet
Physical & Environment	Operating Temperature	0°C to 50°C (32°F to 122°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.

△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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