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

MODEL: DS1018GMP

Overview

DS1018GMP is an 18-port Gigabit Desktop/Rackmount Switch with 16 PoE+ ports. It provides a simple way to expand a wired network by transferring power and data over a single Ethernet Cable. With a total power budget of 250 W*, up to 30 W per port, DS1018GMP can power more high-powered devices such as wireless Access Points (APs), IP Cameras or IP Phones. Moreover, with innovative energy-efficient technology, DS1018GMP can save power consumption, making it an eco-friendly solution for your business network.

Power over Ethernet for Simplified Network Deployment

- Features 16 802.3af/at compliant PoE+ ports, with a total PoE power budget of 250 W*

- Flexible deployment for PoE supported devices such as wireless access points (APs), IP cameras and IP phones

- Designed to use a single Ethernet cable for both data and power transmission, lowering infrastructure costs

Gigabit Expansion Solution

- 18 10/100/1000 Mbps ports provide up to 36 Gbps Switching Capacity.

- 10 KB Jumbo Frame improves performance of large data transfer.

- IEEE 802.3x flow control provides reliable data transfer.

Highlight Performance

- 802.1p and DSCP QoS ensure smooth traffic.

- Durable metal casing and professional heat dissipation design ensure a wide operating temperature range (0 °C–50°C)

- 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.

Easy to Use

- Just plug & play, no configuration required

- Auto MDI/MDIX eliminates the need for crossover cables.

- Auto-negotiation intelligently adjusts for compatibility and optimal performance.

Specifications

Hardware Features & Performance		
Product Picture		
Model		DS1018GMP
General	Interfaces	18 10/100/1000Mbps RJ45 Ports 2 Gigabit Combo SFP Slots
PoE	PoE Standard	802.3 af/at
	PoE Ports	16, up to 30 W Per Port
	PoE Power Budget	250 W*
	Extend Mode	YES (Ports 1–4)
	Priority Mode	YES (Ports 1–4)
	Isolation Mode	YES (Ports 1–16)
	PoE Auto Recovery	YES (Ports 1–16)
Performance	Switching Capacity	36 Gbps
	Packet Forwarding Rate	26.78 Mpps
	Max Address Table	8 K
	Jumbo Frame	10 KB
Physical & Environment	Power Supply	100-240V AC, 50/60Hz
	Maximum Power Consumption (220V/50Hz)	19 W (220V/50Hz. no PD connected) 293.34 W (220V/50Hz. with 250W PD connected)
	Maximum Heat Dissipation	64.79 BTU/h (no PD connected) 1000.29 BTU/h (with 250 W PD connected)
	Dimensions (W×D×H)	17.3 × 7.1 × 1.7 in. (440 × 180 × 44 mm)
	FAN Quantity	2
	Operating Temperature	0°C~50°C (32°F~122°F)
	Storage Temperature	-40°C~70°C (-40°F~158°F)
	Operating Humidity	10% ~ 90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing
	Certification	CE, FCC

* 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 10 Mbps. Actual transmission distance may vary from the quality of the cables.

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