D-Link
Building Networks for People

Product Highlights

Power More Devices

Eight Power over Ethernet (PoE) ports allow you to power more PoE-capable cameras, access points, and VoIP phones using standard Ethernet cabling

Powerful PoE

IEEE 802.3at PoE (up to 30 W per port) and a high capacity PoE budget (up to 125 W) are perfect for 802.11ac devices and multi-featured IP cameras

Gigabit Ethernet Speed

High-speed Gigabit Ethernet ports provide the latest Ethernet technology while remaining backwards compatible with older computers and equipment

DGS-1008MP

8-Port PoE Desktop Switch

Features

High-Speed Networking

- Eight 10/100/1000 Mbps Ethernet ports
- Full/half-duplex for 10/100 Mbps Ethernet and full-duplex for 1000 Mbps Ethernet

Reliability

- IEEE 802.3x Flow Control
- Store-and-forward switching scheme
- RoHS compliant

Easy Setup

- Plug-and-play installation
- Auto MDI/MDI-X crossover on all ports

Desktop and Rackmount Design

- Rack-mountable 11" metal casing (1U)
- Fanless design

PoE Functionality

- IEEE 802.3at-compliant
- 125 W total power budget
- Up to 30 W power output per port

The D-Link DGS-1008MP 8-Port PoE Desktop Switch is an ideal solution for small offices and enterprise environments looking to expand the network with a set of Power over Ethernet devices such as wireless access points, IP cameras, and IP phones. Built with small business and enterprise users in mind, the DGS-1008MP is a high-speed, flexible switch that features a fanless, quiet design so it can be conveniently placed anywhere in a working environment.

Power Over Ethernet

The DGS-1008MP features eight 10/100/1000BASE-T ports that support the IEEE 802.3at Power over Ethernet (PoE) standard. Each of the eight PoE ports can supply up to 30 W, with a total combined PoE budget of 125 W, allowing users to power up to eight IEEE 802.3at-compliant devices without requiring an additional power supply. This allows devices to be installed in locations without their own power outlet, saving on installation costs and reducing the time it takes to install new devices.

Superior Performance

The DGS-1008MP is a plug-and-play device, meaning installation is quick and easy and requires no additional configuration. Support for Auto MDI/MDI-X on all ports eliminates the need for crossover cables when connecting to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device (either 10, 100, or 1000 Mbps) and intelligently adjusts for optimal compatibility and performance. With store-and-forward switching, the DGS-1008MP also maximizes network performance while minimizing packet loss during data transmission. Combining the convenience of PoE, superior performance, and ease of use, the DGS-1008MP is the ideal choice for flexibly expanding your network while remaining cost-efficient.

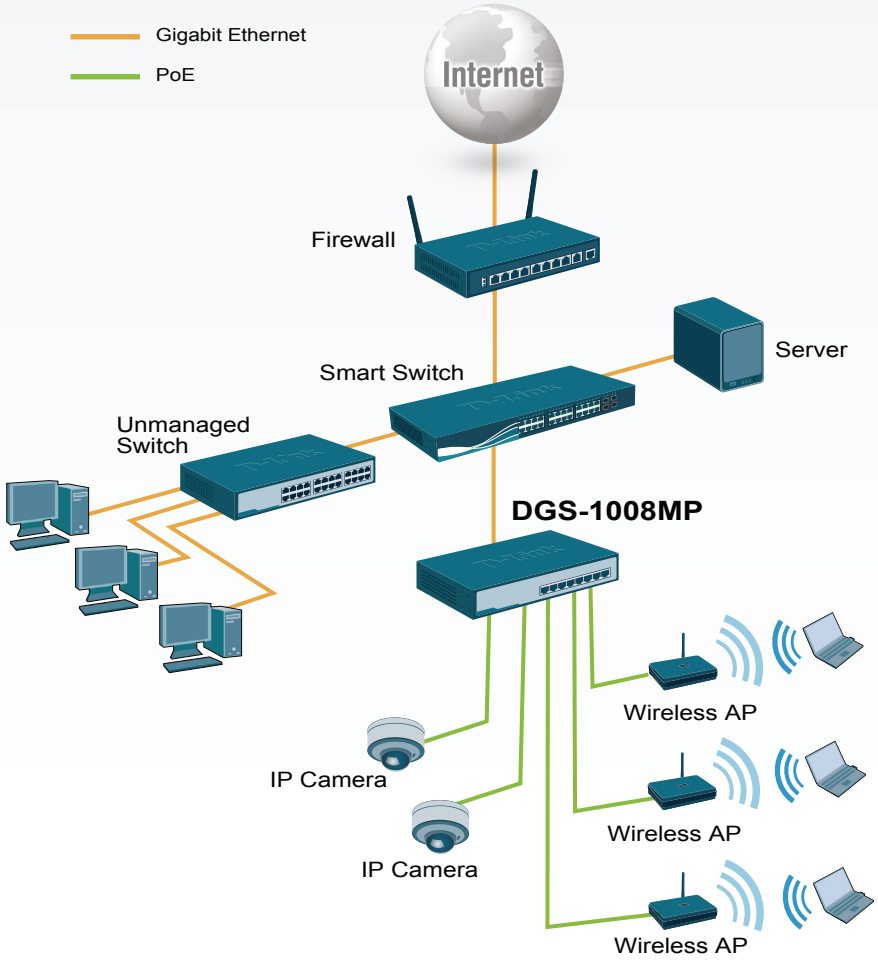
Compact and Silent Design

The DGS-1008MP has a compact 11" design, so that it can be deployed in any easily accessible location on the work floor, allowing you to power a set of PoE-powered devices while avoiding additional cable clutter. Alternatively, the standardized 1U-sized housing means the switch can also be mounted in a standard 19" rack and be integrated in the server infrastructure. The DGS-1008MP is furthermore built around a fanless design. This makes the switch suitable to be used closer to, or in populated areas where it works efficiently while guaranteeing a quiet working environment.

Green Technology

The DGS-1008MP supports IEEE 802.3az Energy-Efficient Ethernet (EEE), reducing power consumption of the switch when network utilization is low and minimizing operating costs during periods of inactivity. By using EEE-compliant devices with the DGS-1008MP, organizations can noticeably reduce power consumption by having the switch automatically put ports into sleep mode when they are not being used.

Example Application Diagram



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DGS-1008MP 8-Port PoE Desktop Switch

Technical Specifications

General

Size	• 11-inch desktop/rackmount size, 1U height		
Number of Ports	• 8 x 10/100/1000 Mbps ports		
Port Standards & Functions	• IEEE 802.3i 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3at Power over Ethernet	• IEEE 802.3az Energy-Efficient Ethernet • IEEE 802.3x Flow Control • ANSI/IEEE 802.3 NWay auto-negotiation	
Switching Capacity	• 16 Gbps switching fabric		
Media Interface Exchange	• Auto MDI/MDI-X		
Transmission Method	• Store-and-forward		
MAC Address Table	• 4K entries per device		
Packet Buffer Memory	• 192 KB per device		

Packet Filtering / Forwarding Rates	• Ethernet
	  • 14,880 pps per port
		• Fast Ethernet
		  • 148,800 pps per port
			• Gigabit Ethernet
			  • 1,488,000 pps per port

Data Transfer Rates	• Ethernet
	  • 10 Mbps (half-duplex)
	  • 20 Mbps (full-duplex)
		• Fast Ethernet
		  • 100 Mbps (half-duplex)
		  • 200 Mbps (full-duplex)
			• Gigabit Ethernet
			  • 2000 Mbps (full-duplex)

Network Cables	• 10BASE-T:
	  • UTP Cat 3/4/5/5e (100 m max.)
	  • EIA/TIA-586 100-ohm STP (100 m max.)
		• 100BASE-TX
		  • UTP Cat 5/5e (100 m max.)
		  • EIA/TIA-568 100-ohm STP (100 m max.)
			• 1000BASE-T
			  • UTP Cat 5/5e (100 m max.)
			  • EIA/TIA-568 100-ohm STP (100 m max.)

Physical

LED Indicators	• Per port: activity / link and speed • Per port: power / status	• Per device: PoE Max
Dimensions	• 280 x 180 x 44 mm (11.02 x 7.08 x 1.73 in)	
Power Input	• 100 to 240 V AC, 50/60 Hz	
Maximum PoE Budget	• 125 W	• PoE up to 30 W per port
Power Consumption	• 6.98 W (PoE off)	• 140 W (PoE on)
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -10 to 70 ˚C (14 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing
EMI	• CE Class A • FCC Class A • VCCI Class A	• CCC Class A • FCC Class A
Safety	• cUL • CB	• CCC • LVD

DGS-1008MP 8-Port PoE Desktop Switch

Order Information	
Part Number	*Description*
DGS-1008MP	8-Port PoE Desktop Switch

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