

## Product Highlights

### Connect More PoE Devices

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

### More Powerful PoE

IEEE 802.3at PoE (up to 30 watts per port) and a high capacity PoE budget (up to 140 watts total) is perfect for 802.11ac devices and multi-featured IP cameras

### Gigabit Ethernet Speed

High-speed ports provide the latest Ethernet technology while remaining backward compatible for connections to older computers and equipment



## DGS-1008MP

# 8-Port Desktop Switch with 8 PoE Ports

## Features

### High-Speed Networking

- Eight 10/100/1000 Mbps Gigabit Ethernet ports
- Full/Half-duplex for Ethernet/Fast Ethernet/Gigabit Ethernet speeds

### Reliability

- IEEE 802.3x flow control
- Store-and-forward switching scheme
- RoHS compliant

### Easy Setup

- Plug-and-Play installation
- Auto MDI/MDI-X crossover for all ports

### Stylish Design

- Rack mountable
- Ports located conveniently in front
- Noise-free operation

The D-Link<sup>®</sup> DGS-1008MP 8-Port Desktop Switch with 8 PoE Ports is an ideal solution for small office or enterprise environments looking to easily connect and supply power to Power over Ethernet (PoE) devices such as wireless Access Points (APs), IP cameras, and IP phones while adding more Ethernet devices like computers, printers, and Network Attached Storage (NAS) onto a network. Built with small business and enterprise users in mind, this rack mountable PoE switch operates quietly, making it ideal for use in virtually any room or office.

## Power over Ethernet

The DGS-1008MP features 8 10/100/1000BASE-T ports that support the IEEE 802.3at PoE protocol. Each of the 8 PoE ports can supply up to 30 watts, for a total PoE budget of 140 watts, allowing users to attach an IEEE 802.3at-compliant device to the DGS-1008MP without requiring additional power. PoE is especially suitable for devices that are far from power outlets or when you want to minimize the clutter of extra cables. If a device is not PoE-compatible, the D-Link DPE-301GS PoE Adapter can turn any regular Ethernet port into a PoE Ethernet port.

## Superior Performance

No configuration is required and installation is quick and easy. 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 compatibility and optimal performance. The switch has been designed without fans so you can be sure of quiet operation wherever it is installed. With wire-speed filtering and store-and-forward switching, the DGS-1008MP also maximizes network performance while minimizing the transmission of bad network packets. Combining the convenience of PoE, superior performance, and ease of use, the 8-Port Desktop Switch with 8 PoE Ports is the ideal choice for adding PoE devices to a small business or enterprise network.

## Hassle-free Setup

The 8-Port Desktop Switch with 8 PoE Ports is a Plug-and-Play device that requires no configuration, so setup is simple and hassle-free. But we know that setting up your switch is only the beginning; you may want to connect multiple computers, share files, music, and video across your home or small office network, or even create a multi-player gaming environment. That's why D-Link provides a support website to answer all of your questions and help you get the most out of your network. Find answers to frequently asked questions, download product updates, and easily access the friendly D-Link Customer Support Team.

## Compact and Silent

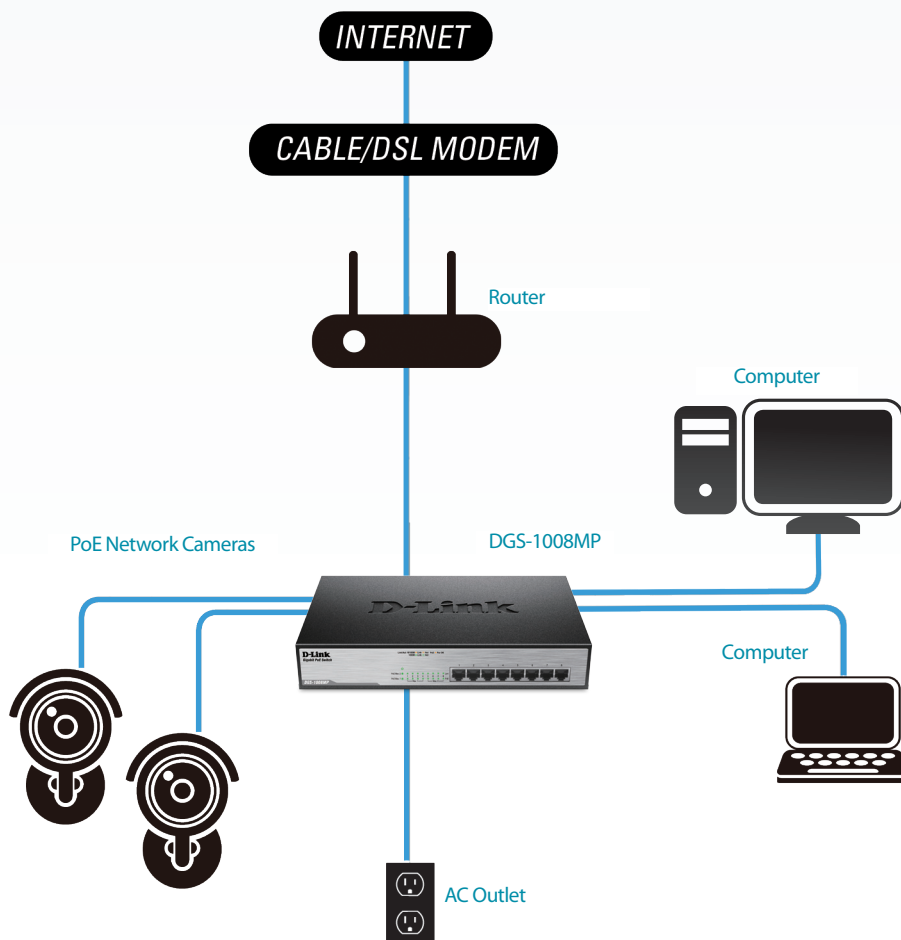
The DGS-1008MP has a sleek and compact design, so that you can place it in any easily accessible location and have it stay out of your way. The power connector and ports are all located at the rear of the switch allowing you to

tuck the cables away conveniently. The DGS-1008MP does not use a fan, so the switch operates silently but effectively, letting you watch movies streamed off the Internet without distraction, or browse the Web in peace.

## D-Link Green Ethernet 3.0 Technology

DGS-1008MP switches feature both D-Link Green 3.0 Technology and IEEE802.3az Energy Efficient Ethernet (EEE) to cut operating costs without sacrificing operational performance or functionality. With D-Link Green technology, the switches constantly monitor the link status and network utilization of every port. The switches also automatically detect cable length and can reduce transmission power usage for shorter cables. By pairing EEE capable devices with DGS-1008MP switches organizations can drastically reduce power consumption by automatically putting ports into a sleep mode when not being used.

## Example Configuration



## Technical Specifications

### General

Size	• 11-inch Desktop/Rackmount size, 1U height		
Number of Ports	• 8 10/100/1000 Mbps Ports		
Port Standards & Functions	<ul style="list-style-type: none"> <li>• IEEE 802.3i 10BASE-T Ethernet</li> <li>• IEEE 802.3u 100BASE-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li> <li>• IEEE 802.3at Power over Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3az Energy Efficient Ethernet</li> <li>• IEEE 802.3x Flow Control supports half/full duplex mode</li> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> </ul>	
Switching Capacity	• 16 Gbps switching fabric		
Media Interface Exchange	• Auto MDI/MDI-X		
Transmission Method	• Store-and-forward		
MAC Address Table	• 8K entries per device		
Packet Buffer Memory	• 128 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	<ul style="list-style-type: none"> <li>• Ethernet</li> <li>• 10 Mbps (half duplex)</li> <li>• 20 Mbps (full duplex)</li> </ul>	<ul style="list-style-type: none"> <li>• Fast Ethernet</li> <li>• 100 Mbps (half duplex)</li> <li>• 200 Mbps (full duplex)</li> </ul>	<ul style="list-style-type: none"> <li>• Gigabit Ethernet</li> <li>• 2000 Mbps (full duplex)</li> </ul>
Network Cables	<ul style="list-style-type: none"> <li>• 10BASE-T:</li> <li>• UTP CAT 3/4/5/5e (100 m max.)</li> <li>• EIA/TIA-586 100-ohm STP (100 m max.)</li> </ul>	<ul style="list-style-type: none"> <li>• 100BASE-TX</li> <li>• UTP CAT 5/5e (100 m max.)</li> <li>• EIA/TIA-568 100-ohm STP (100 m max.)</li> </ul>	<ul style="list-style-type: none"> <li>• 1000BASE-T</li> <li>• UTP CAT 5/5e(100 m max.)</li> <li>• EIA/TIA-568 100-ohm STP(100 m max.)</li> </ul>

### Physical

LED Indicators	<ul style="list-style-type: none"> <li>• Per port: Activity / Link and Speed</li> <li>• Per port: Power / Status</li> </ul>	<ul style="list-style-type: none"> <li>• PoE Max 1: Ports 1-4</li> <li>• PoE Max 2: Ports 5-8</li> </ul>
Dimensions	• 280 mm x 180 mm x 44 mm (11.02 x 7.08 x 1.73 inches)	
Power Input	• AC Input: 100 to 240 V AC, 50/60 Hz	
Maximum PoE Budget	• 140 watts	
Power Consumption	<ul style="list-style-type: none"> <li>• 13.5 watts (PoE off)</li> <li>• ____ watts (PoE on)</li> </ul>	• PoE up to 30 watts per port
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: 5% to 95% RH non-condensing
EMI	<ul style="list-style-type: none"> <li>• CE Class A</li> <li>• FCC Class A</li> <li>• VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>• CCC Class A</li> <li>• BSMI Class A</li> </ul>

## DGS-1008MP 8-Port Desktop Switch with 8 PoE Ports

Safety	<ul style="list-style-type: none"><li>• cUL</li><li>• CB</li><li>• LVD</li></ul> <ul style="list-style-type: none"><li>• CCC</li><li>• BSMI</li></ul>
Order Information	
Part Number	Description
DGS-1008MP	8-Port Desktop Switch with 8 PoE Ports

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