D-Link
Building Networks for People

Product Highlights

Compact Design

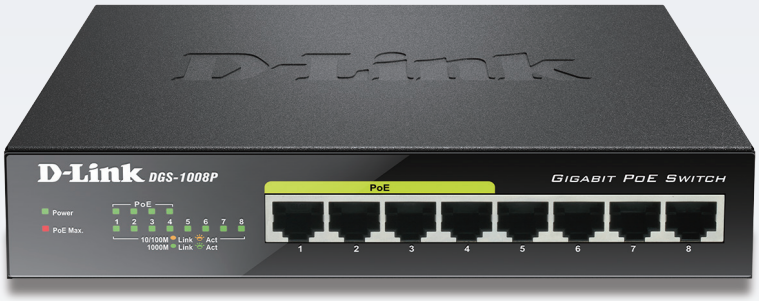
A compact design and silent operation mean that the switch can be placed in work spaces, shared areas, and meeting rooms

Auto MDI/MDI-X Crossover

All ports support automatic MDI/MDI-X crossover, eliminating the need for crossover cables or uplink ports

Flow Control for Reliable Transmission

IEEE 802.3x flow control minimizes dropped packets when the port's receiving buffer is full, providing a reliable connection for all your devices



DGS-1008P

8-Port Desktop Switch with 4 PoE Ports

Features

High-Speed Networking

- 8 10/100/1000 Mbps Gigabit Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet and full-duplex 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 on all ports

Stylish Design

- Compact lightweight chassis
- Noise-free operation

PoE Functionality

- IEEE 802.3at/af compliant
- 68 watts total power budget
- Up to 30 watts power output per PoE port

The D-Link DGS-1008P 8-Port Desktop Switch with 4 PoE Ports enables both home and office users to connect Power over Ethernet (PoE) devices such as Wireless Access Points (APs), IP cameras, and IP phones to the network. Built with home and small business users in mind, the DGS-1008P is compact and operates silently, making it ideal for virtually any room or office.

Power over Ethernet

The DGS-1008P features 4 10/100/1000BASE-T ports that support the IEEE 802.3at PoE protocol, supplying up to 30 watts on each PoE port and providing a total power budget of 68 watts. This allows compatible devices to be connected without requiring an additional power supply, saving on cabling and allowing devices to be installed in locations without immediate access to power outlets. When a device is not PoE-compatible, the D-Link DWL-P50 PoE Adapter can turn any regular Ethernet port into a PoE Ethernet port.

High Performance

The DGS-1008P features plug-and-play installation and no configuration is required. Auto MDI/MDI-X support on all ports removes the need for crossover cables when connecting to another switch or hub, and auto-negotiation on each port intelligently adjusts the port speed for compatibility with the connected device. With wire-speed filtering and store-and-forward switching, the DGS-1008P maximizes network performance while minimizing the transmission of bad network packets.

DGS-1008P 8-Port Desktop Switch with 4 PoE Ports

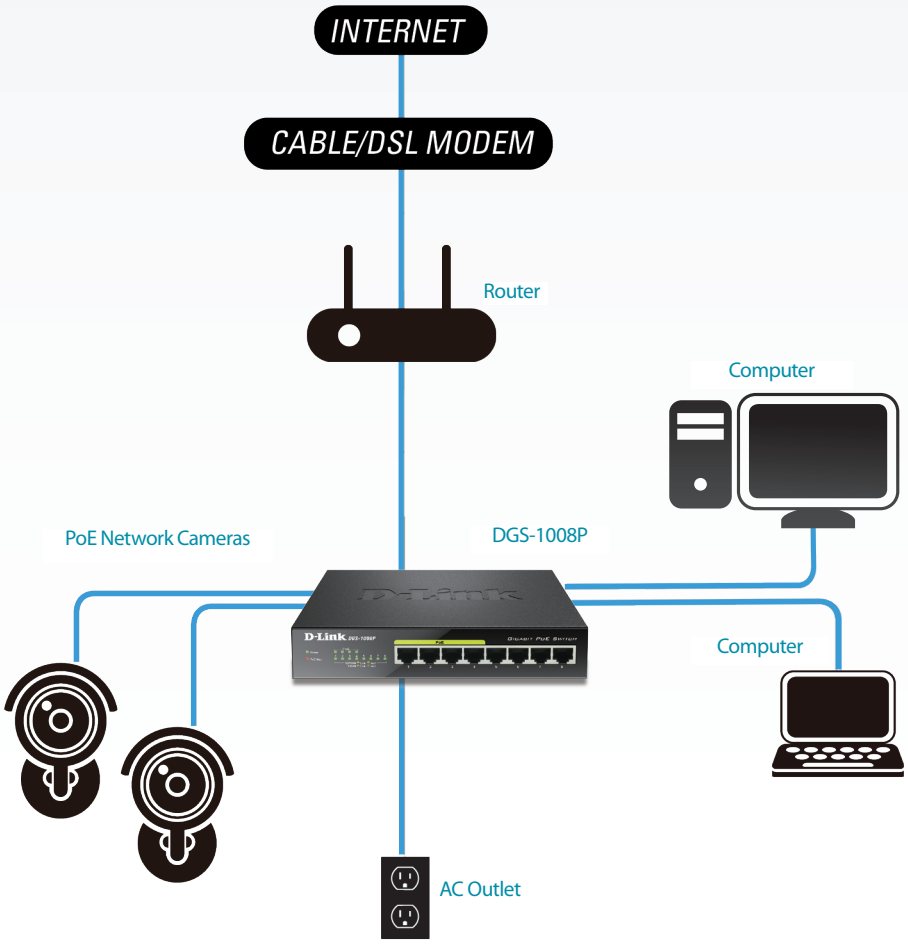
Green Technology

The DGS-1008P features green technology, such as IEEE 802.3az Energy Efficient Ethernet (EEE), link status detection, and cable length detection. Energy Efficient Ethernet reduces power consumption of the switch when network utilization is low, reducing the cost of ownership during periods of inactivity. Link status detection automatically powers down ports when there is no link detected, saving power when the connected device has been shut down or disconnected, and cable length detection automatically adjusts the power output of the port based on the length of the cable, reducing the power requirements of the switch to only what is necessary for the installation.

Compact and Silent

The DGS-1008P has a compact design, meaning that it can be placed in almost any convenient location. This includes small offices and work spaces where space is at a premium. The desktop form factor provides everything you need to set up a new network, or expand an existing network by connecting it to other switches. The fanless design ensures silent operation, making the switch suitable for office spaces, work floors, and areas which are sensitive to noise, such as meeting rooms.

Example Configuration



DGS-1008P 8-Port Desktop Switch with 4 PoE Ports

Technical Specifications

General		
Size	• Desktop	
Interface	• 8 10/100/1000BASE-T • 4 PoE	
Standards	• IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x flow control
Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports	
Performance		
Switching Fabric	• 16 Gbps switching fabric	
Transmission Method	• Store-and-forward	

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

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
MAC Address Table	• 8K entries per device	
RAM Buffer	• 256 KB per device	
PoE		
PoE Standard	• IEEE 802.3at/af	
PoE Capable Ports	• Ports 1 to 4	
Power Budget	• 68 watts (30 watts max. per PoE port)	
LEDs		
Power / PoE Max (per unit)	✓	
Power / Status (per port)	✓	
Activity / Link and Speed (per port)	✓	
Physical		
Weight	• 0.76 kg	
Dimensions	• 190 x 120 x 38 mm (5.5 x 3.0 x 1.06 inch)	
DC Input	• External 53.5 V / 1.5 A power adapter	
Power Consumption	• 79.87 watts maximum (PoE on)	• 9.3 watts maximum (PoE off)
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -40 to 70 ˚C (-40 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	

DGS-1008P 8-Port Desktop Switch with 4 PoE Ports

Certifications		
Safety	• cUL • CB	• LVD • BSMI
EMI/EMC	• CE • BSMI • FCC	• VCCI • RCM

Order Information	
Part Number	*Description*
DGS-1008P	8-Port Desktop Switch with 4 PoE Ports

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