D-Link
Building Networks for People

Product Highlights

Power over Ethernet

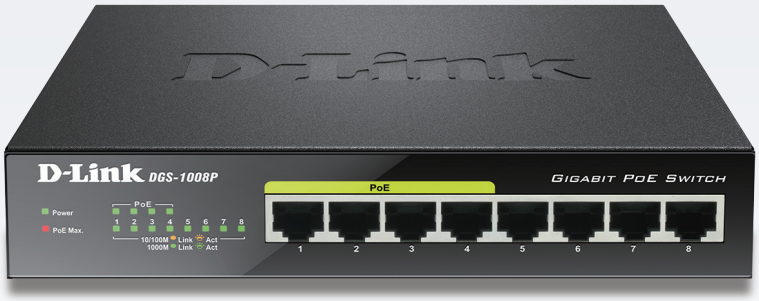
Support for IEEE 802.3af and 802.3at Power over Ethernet (PoE) on ports 1 to 4 allows for remote installation and powering of PoE-powered devices

PoE Power Budget

A large 68 W PoE power budget and up to 30 W per port for simultaneously powering a combination of multiple PoE-compatible devices

Plug-and-play

Plug-and-play installation means the switch can be quickly and easily installed without the need for any additional configuration



DGS-1008P

8-Port Gigabit Unmanaged Desktop PoE Switch

Features

High-Speed Networking

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

Compact and Silent Design

- Small form factor lightweight chassis
- Noise-free operation

PoE Functionality

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

The D-Link DGS-1008P 8-Port Gigabit Unmanaged Desktop PoE Switch 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 in remote locations without the need for external adapters. 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 802.3af and IEEE 802.3at PoE protocols, supplying between 15 and 30 W on each PoE port and providing a total power budget of 68 W. 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 DPE-301GS PoE Splitter can turn any regular Ethernet port into a PoE-capable Ethernet port.

High Performance

The DGS-1008P features plug-and-play installation with no additional configuration 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 optimal 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 Gigabit Unmanaged Desktop PoE Switch

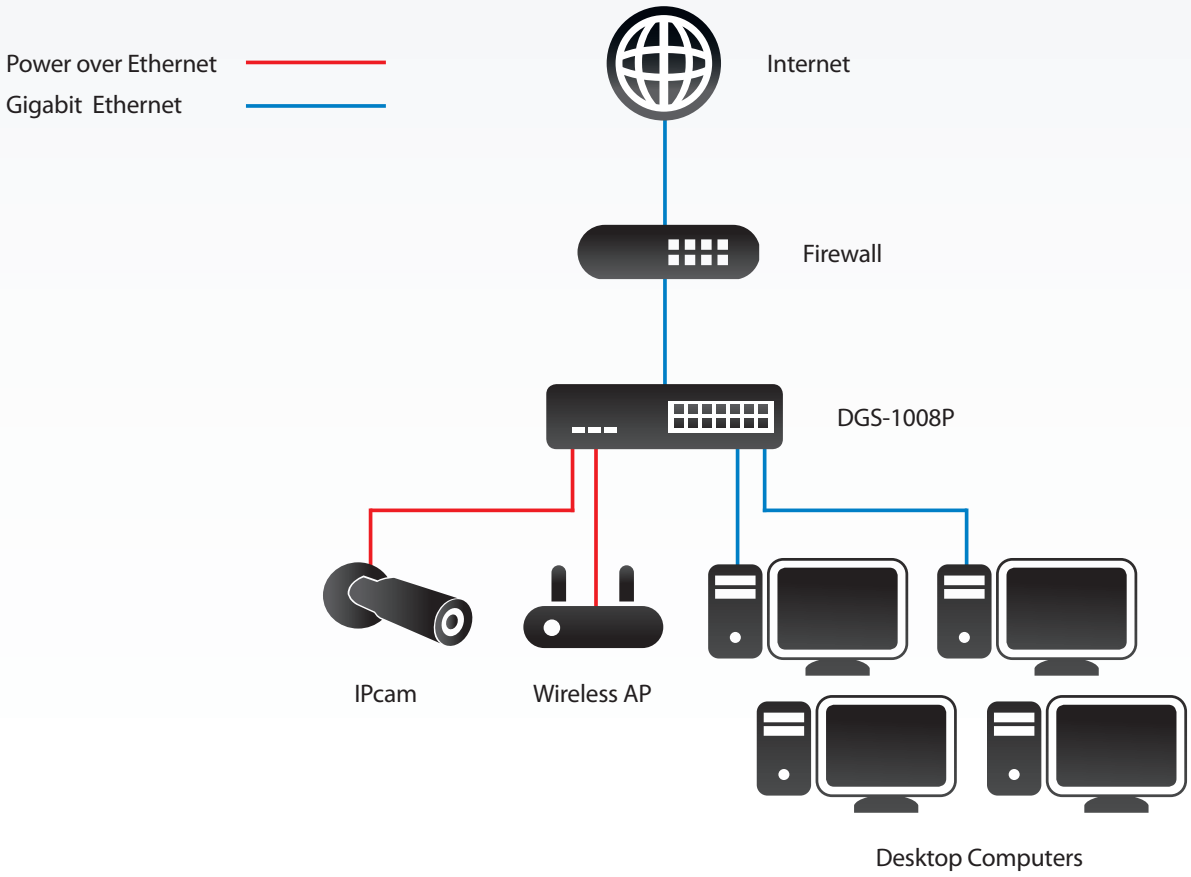
Green Technology

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. 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 Gigabit Unmanaged Desktop PoE Switch

Technical Specifications

General		
Size	• Desktop	
Interface	• 8 x 10/100/1000BASE-T ports	• PoE: ports 1 to 4
Standards	• IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet	• IEEE 802.3az Energy Efficient Ethernet (EEE) • 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	
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	• 11.90 Mpps	
MAC Address Table	• 4K entries per device	
Jumbo Frame Size	• 9,720 bytes	
Flash Memory Size	• 512 Kb	
PoE		
PoE Standards	• IEEE 802.3af	• IEEE 802.3at
PoE-capable Ports	• Ports 1 to 4	
Power Budget	• 68 W (30 W max. per PoE port)	
LEDs		
Power / PoE Max (per unit)	✓	
Power / Status (per port)	✓	
Activity / Link and Speed (per port)	✓	
Physical		
Weight	• 0.59 kg (1.30 lbs)	
Dimensions	• 190 x 120 x 38 mm (5.5 x 3.0 x 1.06 in)	
DC Input	• External 54 V / 1.67 A power adapter	
Power Consumption	• 80.2 W maximum (PoE on)	• 0.26 W maximum (PoE off)
Heat Dissipation	• 41.602 BTU/hr	
Temperature	• Operating: 0 to 50 ˚C (32 to 122 ˚F)	• Storage: -40 to 70 ˚C (-40 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	
MTBF	• 631,894 hours	

DGS-1008P 8-Port Gigabit Unmanaged Desktop PoE Switch

Certifications		
Safety	• cUL • BSMI	• LVD
EMI/EMC	• CE Class B • BSMI • FCC Class B	• VCCI Class B • RCM • KCC

Order Information	
Part Number	*Description*
DGS-1008P	8-Port Gigabit Unmanaged Desktop PoE Switch

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