D-Link®

Product Highlights

Power over Ethernet

- IEEE 802.3af/802.3at compliant PoE/PoE+ on four ports (up to 30W per port)
- Ideal for powering IP Cameras, Access Points, IP Phones, and more

68W PoE Power Budget

- Ample 68W total power budget supports "full-PoE" across all PoE ports

Built to Last

- Rugged metal housing
- Fanless design provides noise free operation
- Reliability that businesses demand

Limited Lifetime Warranty

DGS-1008P

8-Port Gigabit Unmanaged Desktop Switch with 4 PoE Ports

Features

High-Speed Networking
- Eight (8) 10/100/1000 Mbps Gigabit ports
- Full/half-duplex for Ethernet/Fast Ethernet speeds and full-duplex for Gigabit Ethernet

Power over Ethernet
- IEEE 802.3af/803.2at compliant PoE on ports 1-4
- 68W total PoE power budget
- Up to 30W power output per PoE port

Reliability
- IEEE 802.3x flow control
- Supports IEEE 802.1p QoS
- Store-and-forward switching scheme

Easy Setup
- Plug-and-play installation
- Auto MDI/MDIX crossover for all ports

Compact and Silent Design
- Small form factor lightweight chassis
- Noise-free operation

Overview

The DGS-1008P 8-Port Gigabit Unmanaged Desktop Switch with 4 PoE Ports enables office users to easily connect and supply power to Power over Ethernet (PoE) devices such as IP cameras, IP phones, and wireless access points (APs). The eight Gigabit ports provide connectivity for devices and applications that require high speed network access, and reduce bottlenecks that can interrupt communication. The DGS-1008P switch can also connect to additional Ethernet devices like computers, printers, and Network Attached Storage (NAS). This compact PoE switch operates silently, making it ideal for use in virtually any room or office.

Power Over Ethernet (PoE)

The first four ports of the switch support the IEEE 802.3af PoE and 802.3at PoE+ standards. Each of these four ports can supply up to 30 W for a total PoE budget of 68 W, allowing users to attach multiple IEEE 802.3af/at compliant devices to the switch. Use PoE for applications that are far from power outlets, or to minimize the clutter of extra cables. When an end-device is not PoE-compatible, the D-Link DPE-301GS PoE Splitter may be used to split DC power from the data signal at the end device.

High Performance

The DGS-1008P switch 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 switch maximizes network performance while minimizing the transmission of bad network packets.

Conserves Energy

The DGS-1008P switch 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 switch has a compact design and may 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 needed 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.

Limited Lifetime Warranty

D-Link offers a Limited Lifetime Warranty on the DGS-1008P Unmanaged Gigabit PoE Switch to further its commitment to product quality and long-term customer confidence.[1]

Technical Specifications

	DGS-1008P
General	
Number of Ports	Eight (8) 10/100/1000 Mbps (ports 1 - 4 are PoE enabled)
Port Standards & Functions	IEEE 802.3 10BASE-T Ethernet IEEE 802.3x Flow Control IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.1p QoS IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3az Energy Efficient Ethernet (EEE) ANSI/IEEE 802.3 NWay Auto-negotiation
Switching Capacity	16 Gbps
Media Interface Exchange	Auto MDI/MDI-X adjustment for all ports
Data Transfer Rates	Gigabit Ethernet Ethernet • 2000 Mbps (full-duplex) • 10 Mbps (half-duplex) Fast Ethernet • 20 Mbps (full-duplex) • 100 Mbps (half-duplex) • 200 Mbps (full-duplex)
Packet Filtering / Forwarding Rates	11.90 Mpps
MAC Address Table Size	4K Entries
Flash Memory Size	512 KB
Forwarding Mode	Store and Forward
Jumbo Frame Support	9,720 Bytes
802.1p Priority Queue Mapping	Yes
LED Indicators	Per unit: Power / PoE Max. Per port: Activity / Link and Speed Per PoE port: Power / Status

Power over Ethernet	
PoE Standards	IEEE 802.3af and IEEE 802.3at
PoE Capable Ports	Ports 1 - 4
PoE Power Budget	68 W

Physical & Environmental		
Power Adapter	AC input: 100 to 240VAC, 50/60 Hz	DC output: 54 VDC / 1.67 A
Maximum Power Consumption	82.3 W (PoE on)	7.6 W (PoE off)
Standby Power Consumption	2.3 W	
Maximum Heat Dissipation	253.022 BTU/hr	
Ventilation	Fanless	
Acoustics	0 dB(A)	
Operating Temperature	Device: 32˚F to 122˚F (0˚C to 50˚C)	External Power Adapter: 32˚F to 104˚F (0˚C to 40˚C)
Storage Temperature	-40˚F to 158˚F (-40˚C to 70˚C)	
Operating Humidity	0% to 95% RH non-condensing	
Storage Humidity	0% to 95% RH non-condensing	
Dimensions (W x D x H)	7.5" x 4.7" x 1.5" (190 x120 x 38 mm)	
Weight	1.3 lbs (0.59 kg)	
Certifications - Safety	cUL / BSMI / LVD	
Certifications - EMI/EMC	CE Class B BSMI FCC Class B	VCCI Class B RCM KCC
MTBF	631,894 hours	

Ordering Information		
Product	*Description*	*Warranty*
DGS-1008P	8-Port Gigabit Unmanaged Desktop Switch with 4 PoE Ports	Limited Lifetime[1]

[1] Limited Lifetime Warranty available in U.S.A. only. Warranty void when not purchased from Authorized US D-Link Reseller. Please visit us.dlink.com for list of Authorized US Resellers.

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Hardware Rev D
DGS-1008P_REVD_DATASHEET_3.00_EN_US.PDF

For more information

U.S.A. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | us.dlink.com

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