D-Link®

Product Highlights

Connect and Power with One Cable

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

Enhanced PoE Power Budget

A large 60 W PoE power budget and up to 30 W per port for simultaneously powering 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-1005P

5-Port Desktop Gigabit PoE+ Switch

Features

High-Speed Networking
- Five 10/100/1000 Mbps Gigabit Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet and full-duplex for 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

Fanless and Silent
- Fanless design
- Noise-free operation

PoE Functionality
- Four PoE ports
- IEEE 802.3af/at compliant
- 60 W total power budget
- Up to 30 W power output per PoE port

The D-Link DGS-1005P 5-Port Desktop Gigabit PoE+ Switch enables you to connect Power over Ethernet (PoE) devices such as wireless access points (APs), network video cameras and IP phones to the network. Built with home and small business users in mind, the DGS-1005P is compact and operates silently, making it ideal for most rooms and offices.

Power over Ethernet

The DGS-1005P features four Gigabit Ethernet ports that support the IEEE 802.3af and IEEE 802.3at PoE, supplying up to 30 W on each PoE port and providing a total power budget of 60 W. You can connect compatible devices to the DGS-1005P without using an additional power supply. This allows you to save on cabling and to install devices in locations without immediate access to power outlets.

High Performance

The DGS-1005P features plug-and-play installation and requires no configuration. Automatic 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-1005P maximises network performance while minimising the transmission of bad network packets.
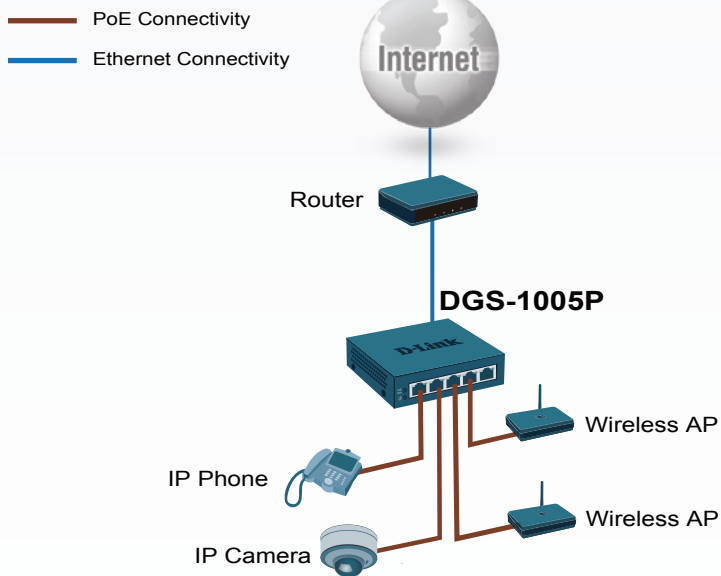
Green Technology

The DGS-1005P features green technology such as IEEE 802.3az Energy-Efficient Ethernet (EEE), link status detection, and cable length detection. EEE adjusts the power consumption of the switch based on network utilisation, reducing the cost of ownership during periods of inactivity. Link status detection powers down ports when no links are detected, saving power when connected devices are shut down or disconnected. Cable length detection adjusts the power output of the port based on the cable length, reducing the power requirements of the switch.

Compact and Silent

The compact design of the DGS-1005P allows placement in most locations, including those 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, while the fanless design ensures silent operation even in noise-sensitive areas such as workstations and meeting rooms.

Example Configuration

— PoE Connectivity
— Ethernet Connectivity

Internet

Router

DGS-1005P

Wireless AP

IP Phone

Wireless AP

IP Camera

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

Technical Specifications

General

Interfaces	• 5 x 10/100/1000BASE-T ports	
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet	• IEEE 802.3x flow control • IEEE 802.1p QoS • ANSI/IEEE 802.3 NWay auto-negotiation
Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports	

Performance

Switching Fabric	• 10 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	• 7.44 Mpps	
MAC Address Table	• 2K entries per device	
RAM Buffer	• 64 KB per device	

PoE

PoE Standards	• IEEE 802.3af	• IEEE 802.3at
PoE-Capable Ports	• Ports 1 to 4	
Power Budget	• 60 W (30 W max. per PoE port)	

Physical

LEDs	• Power / PoE Max (per unit), Power / Status (per port), Activity / Link and Speed (per port)	
Weight	• 0.26 kg (9.17 oz)	
Dimensions	• 100 x 98 x 28 mm (3.94 x 3.86 x 1.10 in)	
DC Input	• External 53.5 V / 1.2 A power adapter	
Power Consumption	• 64.5 W maximum (PoE on) • 3.08 W maximum (PoE off)	• 0.54 W (standby)
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -10 to 70 ˚C (-40 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing

Certifications

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

For more information: www.dlink.com

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