

## Product Highlights

### Power over Ethernet

Support for IEEE 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 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 Gigabit Switch with 4 PoE Ports

## 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

### Stylish Design

- Compact lightweight chassis
- 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 Gigabit Switch with 4 PoE Ports enables you 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-1005P is compact and operates silently, making it ideal for most rooms and offices.

## Power over Ethernet

The DGS-1005P features four 10/100/1000BASE-T ports that support the IEEE 802.3af and IEEE 802.3at PoE protocols, 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 maximizes network performance while minimizing the transmission of bad network packets.

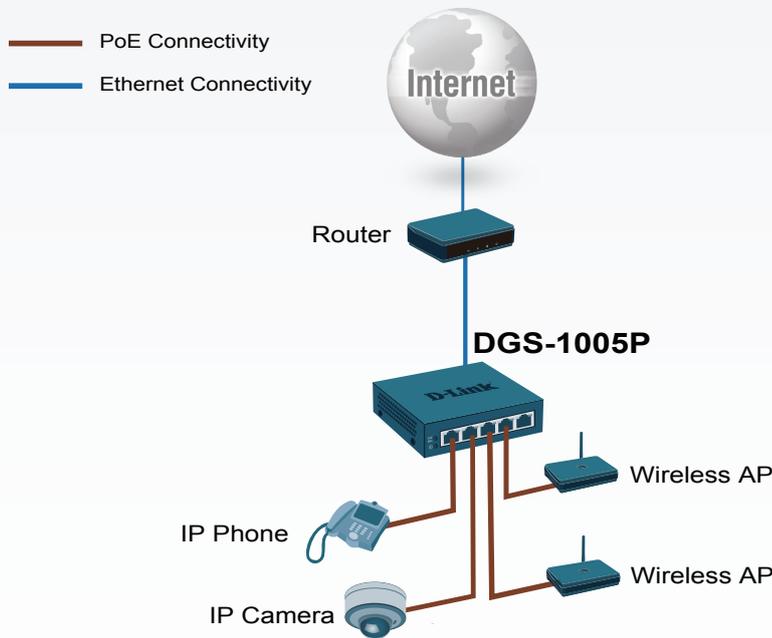
### Green Technology

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 utilization, 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



### Technical Specifications

#### General

|                          |  |
|--------------------------|--|
| Size                     | • Desktop  |
| Interfaces               | • 5 10/100/1000BASE-T ports  |
| Standards                | <ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)</li> <li>• IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)</li> <li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li> <li>• IEEE 802.3x flow control</li> <li>• IEEE 802.1p QoS</li> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> </ul> |
| Media Interface Exchange | • Auto MDI/MDI-X adjustment on all ports   |
| <b>Performance</b>       |  |
| Switching Fabric         | • 10 Gbps  |
| Transmission Method      | • Store-and-forward  |

# DGS-1005P 5-Port Gigabit Switch with 4 PoE Ports

|                                      |  |  |
|--------------------------------------|--|--|
| Data Transfer Rates                  | <ul style="list-style-type: none"> <li>Gigabit Ethernet <ul style="list-style-type: none"> <li>2000 Mbps (full-duplex)</li> </ul> </li> <li>Fast Ethernet <ul style="list-style-type: none"> <li>100 Mbps (half-duplex)</li> <li>200 Mbps (full-duplex)</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Ethernet <ul style="list-style-type: none"> <li>10 Mbps (half-duplex)</li> <li>20 Mbps (full-duplex)</li> </ul> </li> </ul> |
| Packet Filtering / Forwarding Rates  | • 7.44 Mpps  |  |
| MAC Address Table                    | • 2K entries per device  |  |
| RAM Buffer                           | • 64 KB per device   |  |
| <b>PoE</b>                           |  |  |
| 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)  |  |
| <b>LEDs</b>                          |  |  |
| Power / PoE Max (per unit)           |  | ✓  |
| Power / Status (per port)            |  | ✓  |
| Activity / Link and Speed (per port) |  | ✓  |
| <b>Physical</b>                      |  |  |
| 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                    | <ul style="list-style-type: none"> <li>64.5 W maximum (PoE on)</li> <li>3.08 W maximum (PoE off)</li> </ul>  | • 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   |
| <b>Certifications</b>                |  |  |
| Safety                               | <ul style="list-style-type: none"> <li>cUL</li> <li>CB</li> </ul>  | <ul style="list-style-type: none"> <li>LVD</li> <li>BSMI</li> </ul>  |
| EMI/EMC                              | <ul style="list-style-type: none"> <li>CE</li> <li>BSMI</li> <li>FCC</li> </ul>  | <ul style="list-style-type: none"> <li>VCCI</li> <li>RCM</li> </ul>  |
| <b>Order Information</b>             |  |  |
| <i>Part Number</i>                   | <i>Description</i>   |  |
| DGS-1005P                            | 5-Port Gigabit Switch with 4 PoE Ports   |  |

Updated 2018/04/13