

## Product Highlights

### High-Speed Networking

Gigabit ports allow you to connect up to five devices for fast file transfers and smooth media streaming

### Automatically Energy Saving

Energy Efficient Ethernet compliance reduces energy consumption without sacrificing performance while cutting down on your power bill

### Eco-Friendly and Economical

Economical yet innovative design runs cool and quiet, making for an unobtrusive addition to the workplace



## DGS-1005D

# 5-Port Gigabit Desktop Switch

## Features

### Connectivity

- Five Gigabit Ethernet LAN ports for high-speed wired connections
- Cable Diagnostics Function notifies users of cable conditions through product LEDs

### Green Ethernet Features

- Reduces power to a port when no link is detected
- Adjust power to a port by detecting the length of the connected Ethernet cable

The DGS-1005D 5-Port Gigabit Desktop Switch is part of D-Link's series of SOHO devices that allows you to easily expand and upgrade your network. D-Link's Green Technology provides energy savings, reduces heat, and a longer product life without sacrificing performance or functionality. DGS-1005D provides five Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity. An energy-efficient power adapter (EnergyStar Level V qualified), minimised use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.

## Fast and Reliable Networking

The D-Link DGS-1005D 5-Port Gigabit Desktop Switch creates a blazing fast network for your office, as its Gigabit Ethernet ports provide high-speed wired connections for up to five PCs or other devices. The DGS-1005D also features QoS, which prioritises network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. It's stylish, easy-to-use, and comes IPv6-ready for a reliable network today and tomorrow.

## Conserve Energy

The 5-Port Gigabit Desktop Switch helps you conserve energy automatically through several methods. It automatically powers down ports that have no link, allowing the switch to save a substantial amount of power by cutting power usage for unused ports or ports connected to computers that have been shut down.

# DGS-1005D 5-Port Gigabit Desktop Switch

## Technical Specifications

### General

Device Interfaces • Five 10/100/1000 Gigabit LAN ports

### Functionality

Advanced Features

- Green Ethernet
- 10 Gbps switching fabric
- Auto MDI/MDIX crossover for all ports
- Secure store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Supports 9,216 Byte Jumbo Frames
- Supports IEEE 802.1p QoS (4 Queues, Strict Mode)
- Supports Cable Diagnostics Function

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- IEEE 802.3x Flow Control
- IEEE 802.3az Energy-Efficient Ethernet (EEE)

Protocol • CSMA/CD

Data Transfer Rates

- Ethernet:
  - 10 Mbps (half duplex)
  - 20 Mbps (full duplex)
- Fast Ethernet:
  - 100 Mbps (half duplex)
  - 200 Mbps (full duplex)
- Gigabit Ethernet:
  - 2000 Mbps (full duplex)

Transmission Method • Store-and-forward

MAC Address Table • 2 K

MAC Address Learning • Automatic Update

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

RAM Buffer • 128 KB per device

### Physical

LED Indicators • Per port: Link/Activity • Per device: Power

Media Interface Exchange • Auto MDI/MDIX adjustment for all ports-

Dimensions • 111 x 75 x 30 mm

Weight • 80 grams

Power • 5 V/1 A Power Adapter

Power Consumption • Maximum: 2.01 W • Standby: 0.31 W

Temperature • Operating: 0 to 40 °C (32 to 104 °F) • Storage: -10 to 70 °C (14 to 158 °F)

Humidity • Operating: 10% to 90% non-condensing • Storage: 5% to 90% non-condensing

MTBF • 1,142,330 hours

Certifications • CE class B, FCC class B, ICES-003 Class B, VCCI class B, C-Tick, cUL, CB, LVD



For more information: [www.dlink.com](http://www.dlink.com)

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