D-Link®

- Gigabit ports allow you to connect all your devices for fast file transfers and smooth media streaming

- Quality of Service suppport for traffic prioritization

- EEE compliance reduces energy consumption without sacrificing performance

Limited **Lifetime** Warranty

5 or 8 Port Gigabit Desktop Switch

Product Highlights

- Five or Eight 10/100/1000Mbps Ports

- Up to 1 Gbps of Dedicated Bandwidth per Port and up to 2 Gbps Bandwidth in Full-Duplex mode

- Compatible with All Popular Operating Systems

- Plug & Play Installation

- Conserves energy with D-Link Green Technology

- Supports MAC address learning

Think Green

The DGS-1005G and the DGS-1008G five and eight port Gigabit Desktop Switches are part of D-Link's new series of home devices that make use of D-Link's Green Technology, providing energy savings, reduced heat, and a longer product life without sacrificing performance or functionality. An energy-efficient power adapter (EnergyStar Level V qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make these switches truly environmentally friendly.

Conserves Energy

The DGS-1005G and the DGS-1008G help conserve energy automatically. Both switches save substantial amounts of power by cutting power usage for unused ports or ports connected to computers that have been shut down.

DGS-1005G & DGS-1008G

Features

- Built-in D-Link Green Technology
- Inexpensive Gigabit solution for Home/Media Center
- Five or Eight 10/100/1000 Mbps Gigabit ports
- 10/16 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
- IEEE 802.1p QoS
- Supports 9,216 Byte Jumbo Frames
- RoHS compliant
- Plug-and-play installation
- Limited Lifetime Warranty[1]

Environmentally Friendly

The DGS-1005G and the DGS-1008G five and eight port Gigabit Desktop Switches were designed with the environment in mind, and are compliant with Energy Star Level V, as well as with the stringent CEC and MEPS regulations that require the use of energy efficient power adapters. The switches are also built to follow RoHS standards to minimize use of hazardous materials, and use recyclable packaging that helps reduce waste, complying with the WEEE directive.

Gigabit Connection for Home and Media Center

The Gigabit Desktop Switches offer an economical way for homes and media centers to benefit from the increased bandwidth of Gigabit Ethernet. It provides five/eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.
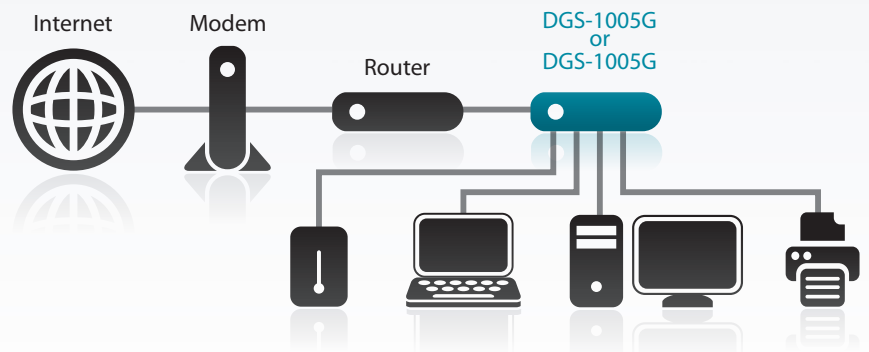
Limited Lifetime Warranty

To further its commitment to product quality, D-Link offers a Limited Lifetime Warranty on the DGS-1005G and DGS-1008G. If it breaks, have the peace of mind that D-Link will repair or replace the product for free. [1]

Package Contents

- 5 or 8 Port Gigabit Desktop Switch (DGS-1005G/DGS-1008G)
- Power Adapter
- Wall Mount Kit
- Quick Install Guide

Minimum System Requirements

- Devices Supporting 802.3 Ethernet, 802.u Faster Ethernet, or 802.3ab Gigabit Ethernet
- Cat5 or better Ethernet Cable
- RJ-45 Port for Each Device
- Network Interface Card for each computer

Internet   Modem   Router   DGS-1005G or DGS-1005G

Technical Specifications

	DGS-1005G	DGS-1008G
Switching Fabric	• 10Gbps	• 16Gbps
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 (twisted-pair copper)	• ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.1p QoS (4 Queues, Strict Mode) • 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)

Topology	• Star	

Network Cables	• 10BASE-T:
	  - UTP CAT 3, 4, 5/5e (100 m max.)
	  - EIA/TIA-586 100-ohm STP (100 m max.)
		• 100BASE-TX, 1000BASE-T:
		  - UTP CAT 5/5e (100 m max.)
		  - EIA/TIA-568 100-ohm STP (100 m max.)

Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	• Per port: Link/Activity/Speed	• Per device: Power
Transmission Method	• Store-and-forward	
MAC Address Table	• 2K	• 8K
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	• 128KB per device	
Jumbo Frames	• 9,216 Bytes	

General Specifications

	DGS-1005G	DGS-1008G
DC Input	• External 5 V/1 A Level "V" Power Adapter	
Power Consumption	• DC input: 2.37 watts • AC input: 3.9 watts	• DC input: 3.48 watts • AC input: 5.4 watts
MTBF	• 1,261,299 hours	• 522,270 hours
Operating Temperature	• 32 to 104 ˚F (0 to 40 ˚C)	
Storage Temperature	• 14 to 158 ˚F (-10 to 70 ˚C)	
Operating Humidity	• 10% to 90% RH non-condensing	

Storage Humidity	• 5% to 90% RH non-condensing	
Dimensions	• 1.2 x 4.4 x 3.0 inches (30 x 111 x 75 mm)	• 1.4 x 5.8 x 3.4 inches (39 x144 x 84mm)
Weight	• 3.52 ounces (100 grams)	• 4.96 ounces (141 grams)
Certifications	• FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B • VCCI Class B	• cUL/UL • CB

Warranty

Warranty	• Limited Lifetime Warranty[1]

Order Information

Part Number	Description
DGS-1005G	5-Port Gigabit Desktop Switch
DGS-1008G	8-Port Gigabit Desktop Switch

[1] Limited Lifetime Warranty available only in the USA. For complete details, please check the product warranty information at http://support.dlink.com/products/warranty/Limited_Lifetime. pdf.

For more information

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