

## Product Highlights

### Eco-Friendly

Innovative design runs quiet, cool, and clean, saving power automatically

### High Speed Networking

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

### Intelligent Data Streaming

Quality of Service (QoS) support enables clear VoIP calls

### Rugged Metal Product House

Ensures the product can withstand extreme temperatures

## DGS-105 / DGS-108

# 5/8 Port Gigabit Ethernet Switches

## Key Features

- Built-in D-Link Green Technology
- Up to 80% lower power consumption
- Rugged metal housing
- Inexpensive Gigabit solution for small and medium business
- Five/eight 10/100/1000 Mbps Gigabit ports
- 10/16 Gbps switching fabric
- Auto MDI/MDIX crossover for all ports
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Supports Jumbo Frames
- Supports IEEE 802.1p QoS
- Supports Cable Diagnostics Function
- RoHS compliant
- Plug-and-play installation
- Slot for Kensington Security Lock



The DGS-105/DGS-108 Gigabit Ethernet Switches provide a quick, easy and economical way to add high speed networking to home offices and small/medium businesses. With data transfer speeds of up to 2000 Mbps the DGS-105/DGS-108 are ideal for fast file transfers, and smooth media streaming. They provide five or eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.

## Robust Design

The DGS-105 and DGS-108 are designed with durability and performance in mind. Their sturdy metal housing ensures the product can withstand extreme temperatures and can be placed in typical industrial environments such as factories, construction and mining. They help to dissipate heat and reduce stress on internal components.

## Effortless Gigabit Networking

With data transfer speeds of up to 2000 Mbps on Gigabit Ethernet, the DGS-105/DGS-108 5/8 Port Gigabit Ethernet Switches are ideal for transferring files quickly. The easy access front Ethernet ports with two color LED indicators per port allows you to quickly distinguish link status and speed. These switches support IEEE 802.1p QoS, which organises and prioritises time-sensitive and important data for efficient delivery, allowing for smooth media streaming and VoIP calling. Additionally these switches incorporate a Kensington Security Slot on the rear panel allowing users to securely fasten the unit to a table or desk.

## Gigabit connection for businesses

The DGS-105/DGS-108 5/8-Port Gigabit Ethernet Switches offer an economical way for businesses to benefit from the increased bandwidth of Gigabit Ethernet. These switches allow you to connect computers, wireless Access Points, IP cameras, network printers and other Ethernet devices quickly and easily without complicated configurations.

### Think Green

The DGS-105/DGS-108 are plug-and-play networking switches that offer D-Link's Green Technology to save energy and reduce heat, which in turn extends product life without sacrificing performance or functionality. These switches support IEEE 802.3az Energy-Efficient Ethernet (EEE) which detects when a connected computer is shut down or when there is no Ethernet traffic, at which time the switch will automatically power down the idle port, saving a substantial amount of power. In addition, the switches can also save energy by detecting the cable length and using only as much power as necessary. Working together these features drastically reduce power consumption and heat dissipation, resulting in extended life and substantial cost savings.

### IEEE 802.1p Quality of Service (QoS)

QoS prioritises network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.

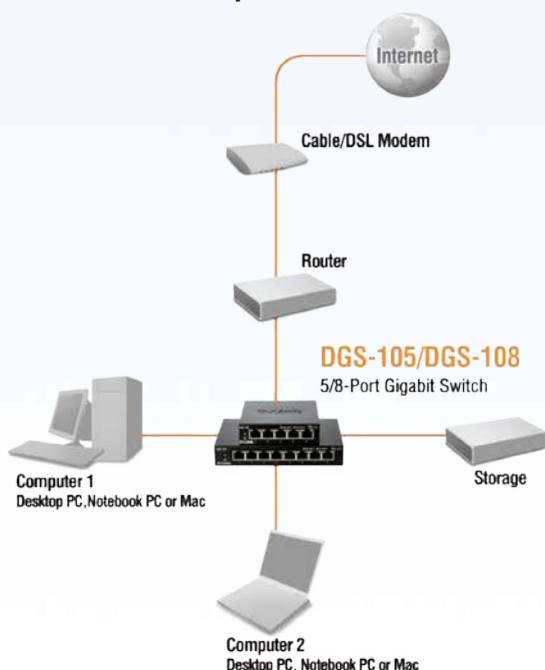
### Environmentally Friendly

The DGS-105/DGS-108 Gigabit Ethernet Switches are designed with the environment in mind. They are compliant with Energy Star Level V, CEC, and MEPS regulations which require the use of energy efficient power adapters. They are built to comply with RoHS standards to minimise use of hazardous materials and is packaged with an EnergyStar Level V qualified power adapter all in a recyclable packaging making this product truly environmental friendly.

### Cable Diagnostics Function

The D-Link Cable Diagnostics Function enables users to be instantly aware of cable conditions through the LED display on the front-panel. Users can determine whether the pin connections of their cable connectors are correct, facilitating prompt network troubleshooting if required.

### Your Network Setup



### D-Link Assist Rapid Response Support

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

### DGS-105

### DGS-108



Switching Fabric	• 10Gbps	• 16Gbps
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 (twisted-pair copper)</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.1p QoS</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> </ul>
Protocol	• CSMA/CD	
Data Transfer Rates	<ul style="list-style-type: none"> <li>• Ethernet: <ul style="list-style-type: none"> <li>- 10 Mbps (half duplex), 20 Mbps (full duplex)</li> </ul> </li> <li>• Fast Ethernet: <ul style="list-style-type: none"> <li>- 100 Mbps (half duplex), 200 Mbps (full duplex)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Gigabit Ethernet: <ul style="list-style-type: none"> <li>- 2000 Mbps (full duplex)</li> </ul> </li> </ul>
Topology	• Star	
Network Cables	<ul style="list-style-type: none"> <li>• 10BASE-T: <ul style="list-style-type: none"> <li>- UTP CAT 3, 4, 5/5e (100 m max.)</li> <li>- EIA/TIA-586 100-ohm STP (100 m max.)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 100BASE-TX, 1000BASE-T: <ul style="list-style-type: none"> <li>- UTP CAT 5/5e (100 m max.)</li> <li>- EIA/TIA-568 100-ohm STP (100 m max.)</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>• Ethernet: 14,880 pps per port</li> <li>• Fast Ethernet: 148,800 pps per port</li> </ul>	• Gigabit Ethernet: 1,488,000 pps per port
RAM Buffer	• 128KB per device	
Jumbo Frames	• 9,000 Bytes	
QoS	• 4 Queues, strict mode	

# DGS-105 / DGS-108 Gigabit Ethernet Switches

General Specifications		
DC Input	• External 5 V/1 A Level "V" Power Adapter	
Power Consumption	<ul style="list-style-type: none"> <li>• Power On (Standby): DC input: 0.5 watts AC input: 1.0 watts</li> <li>• Maximum: DC input: 2.01 watts AC input: 3.10 watts</li> </ul>	<ul style="list-style-type: none"> <li>• Power On (Standby): DC input: 0.55 watts AC input: 1.0 watts</li> <li>• Maximum: DC input: 2.8 watts AC input: 4.5 watts</li> </ul>
Heat Dissipation	<ul style="list-style-type: none"> <li>• Power On (Standby) AC input: 3.41 BTU/h</li> <li>• Maximum DC input: 6.854 BTU/h</li> </ul>	<ul style="list-style-type: none"> <li>• Power On (Standby) AC input: 3.41 BTU/h</li> <li>• Maximum DC input: 9.548 BTU/h</li> </ul>
MTBF	• 1,688,338 hours	• 2,053,751 hours
Operating Temperature	• 32 to 130 °F (30 to 50 °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	• 100 x 98 x 28 mm	• 162 x 102 x 28 mm
Weight	• 286 grams	• 440 grams
Certifications	<ul style="list-style-type: none"> <li>• FCC Class B</li> <li>• ICES-003 Class B</li> <li>• CE Class B</li> <li>• C-Tick Class B</li> </ul>	<ul style="list-style-type: none"> <li>• VCCI Class B</li> <li>• cUL</li> <li>• CB</li> </ul>



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

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