

Product Highlights

High-Speed Networking

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

Intelligent Data Streaming

QoS support enables clear VoIP calls and smooth online gaming over the network connection

Eco-Friendly and Economical

Economical yet innovative design runs cool and quiet



DGS-105/108

5/8-Port Gigabit Switch

Features

Connectivity

- Five (DGS-105) or eight (DGS-108) Gigabit Ethernet LAN ports for high-speed wired connections
- Cable Diagnostics Function notifies users of cable conditions through product LEDs
- Plug-and-play installation for convenience

Green Ethernet Features

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

The DGS-105/108 5/8-Port Gigabit Switch is an economical, plug-and-play networking switch solution for SOHO and small and medium businesses wanting to benefit from the increased bandwidth of Gigabit Ethernet. It provides five/eight Gigabit ports that enable you to easily expand your network and provide a quick way to upgrade your network to Gigabit connectivity.

Fast and Reliable Networking

With data transfer speeds of up to 2000 Mbps on Gigabit Ethernet, the D-Link DGS-105/108 5/8-Port Gigabit Switch is ideal for transferring files quickly and online gaming. The DGS-105/108 features front, easy-to-access Ethernet ports with two color LED indicators per port to easily distinguish link status. Additionally the switch features a Kensington Security Slot on the rear panel where users can fasten the unit to a shelf or desk.

Conserve Energy

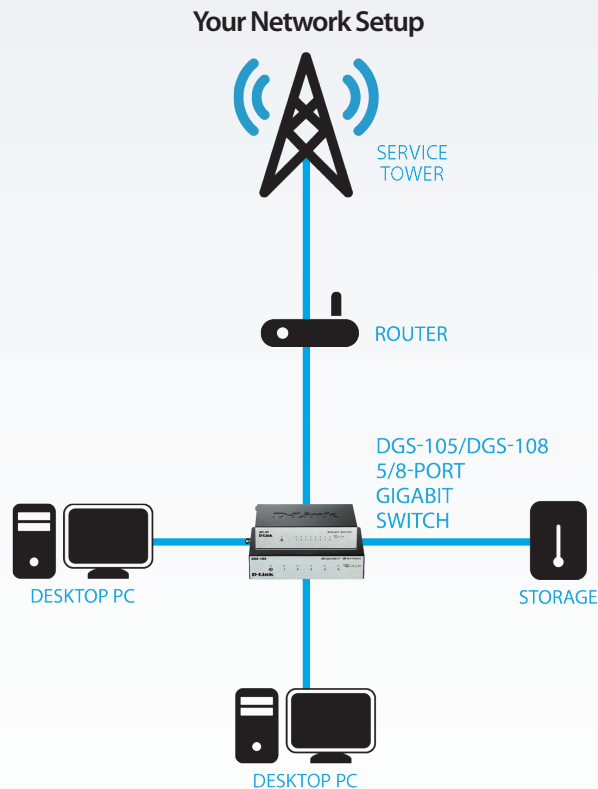
The 5/8-Port Gigabit Switch features D-Link's Green Technology to save energy and reduce heat, which in turn extends product life without sacrificing performance or functionality. The switch supports IEEE 802.3az Energy-Efficient Ethernet (EEE) which can detect when a connected computer is shut down or when there is no Ethernet traffic, and will proceed to power down the idle port, saving a substantial amount of power. In addition, the switch can also save energy by detecting the length of cable connected to a port and use only as much power as is required. Both of these features work together to help you save power automatically.

Environmentally-friendly

The 5/8-Port Gigabit Switch was designed with the environment in mind. It is compliant with Energy Star Level V, CEC, and MEPS regulations which require the use of energy efficient power adapters. The switch is built to comply with RoHS standards to minimize use of hazardous materials and is packaged with an EnergyStar Level V qualified power adapter in a recyclable packaging making this product truly environmental friendly.

Smooth Streaming

The DGS-105/108 features QoS which prioritizes 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, VoIP calls, and online gaming.



Technical Specifications

General

Device Interfaces	<ul style="list-style-type: none"> • DGS-105: Five 10/100/1000 Gigabit LAN ports 	<ul style="list-style-type: none"> • DGS-108: Eight 10/100/1000 Gigabit LAN ports
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T 	<ul style="list-style-type: none"> • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)

Functionality

Advanced Features	<ul style="list-style-type: none"> • Green Ethernet • 10/16 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme 	<ul style="list-style-type: none"> • 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
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Protocol	<ul style="list-style-type: none"> • CSMA/CD
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Data Transfer Rates	<ul style="list-style-type: none"> • Ethernet: <ul style="list-style-type: none"> • 10 Mbps (half duplex) • 20 Mbps (full duplex) • Fast Ethernet: <ul style="list-style-type: none"> • 100 Mbps (half duplex) • 200 Mbps (full duplex) 	<ul style="list-style-type: none"> • Gigabit Ethernet: <ul style="list-style-type: none"> • 2000 Mbps (full duplex)
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DGS-105/108 5/8-Port Gigabit Switch

Transmission Method	• Store-and-forward	
MAC Address Table	• DGS-105: 2 K	• DGS-108: 8 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/Speed	• Per device: Power
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
Dimensions	• DGS-105: 90 x 72 x 27 mm (3.54 x 2.83 x 1.06 inches)	• DGS-108: 128 x 80 x 28 mm (5.04 x 3.15 x 1.10 inches)
Weight	• 330 grams (0.73 lbs)	
Power	• 5 V/1 A Level V	
Power Consumption	• DGS-105: • Power On (Standby): DC input: 0.45 watts, AC input: 1.4 watts • Maximum: DC input: 2.37 watts, AC input: 3.9 watts	• DGS-108: • Power On (Standby): DC input: 0.59 watts, AC input: 1.5 watts • Maximum: DC input: 3.48 watts, AC input: 5.4 watts
Temperature	• Operating: 0 to 50 °C (32 to 130 °F)	• Storage: -10 to 70 °C (14 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• DGS-105: 1,261,786.896 hours • DGS-108: 522,270 hours	
Heat Dissipation	• Power On (Standby) • DGS-105: AC Input: 2.728 BTU/h • DGS-108: AC Input: 0.8 BTU/h	• Maximum: • DGS-105: DC Input: 8.08 BTU/h • DGS-108: AC Input: 18.25 BTU/h
Certifications	• FCC Class B • CE Class B • C-Tick • LVD	• ICES-003 Class B • VCCI Class B • cUL • CB
Order Information		
<i>Part Number</i>	<i>Description</i>	
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