

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 by prioritizing traffic

Energy-Efficient Ethernet

Compliance with 802.3az Energy-Efficient Ethernet means extra savings on electrical costs while meeting environmentally-friendly design standards



DGS-105/108

5/8-Port Gigabit Desktop 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

Business Class Features

- Solid metal case for durability
- Quality of Service (QoS) smooths out network performance
- Kensington Security Slot secures the hardware for peace of mind

The DGS-105/108 5/8-Port Gigabit Desktop Switch is an economical, plug-and-play networking switch solution for SOHO and small and medium businesses that seek 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. Rounding out the feature list are Quality of Service (QoS) support and Energy-Efficient Ethernet (EEE) for smoother performance and cost savings.

Fast and Smooth Networking

With data transfer speeds of up to 2000 Mbps on Gigabit Ethernet, the D-Link DGS-105/108 5/8-Port Gigabit Desktop Switch is ideal all types of networking tasks. Support for 802.3x Flow Control means smoother network traffic, resulting in an overall boost in performance and reliability. Featuring QoS, the DGS-105/108 prioritizes network traffic by type 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.

Versatile Business-friendly Features

The DGS-105/108 features front, easy-to-access Ethernet ports with two color LED indicators per port to easily distinguish link status. Cable Diagnostics simplifies troubleshooting for defective network cables at a glance of the LED panel and plug-and-play lets administrators quickly connect the switch to devices with no hassles. Additionally, the DGS-105/108 features a Kensington Security Slot on the rear panel where users can fasten the unit to a shelf or desk so the device won't be accidentally moved or stolen.

Conserve Energy

The 5/8-Port Gigabit Desktop 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 cuts down on power consumption during periods of low data activity, and will proceed to put the unused port into

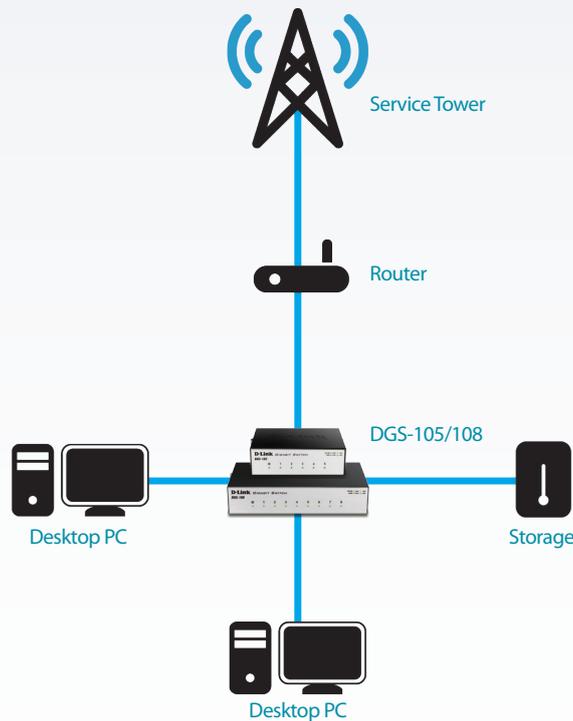
sleep mode, saving a substantial amount of power. In addition, the switch can also save energy by detecting the length of cable connected to a port and use as little power as possible. Both of these features work together to help you save power automatically.

to comply with RoHS standards to minimize use of hazardous materials and is packaged with an Energy Star Level VI qualified power adapter in a recyclable packaging making this product truly environmental friendly.

Environmentally-friendly

The 5/8-Port Gigabit Desktop Switch was designed with the environment in mind. It is compliant with Energy Star Level VI, CEC, and MEPS regulations which require the use of energy efficient power adapters. The switch is built

Your Network Setup



Technical Specifications

General

Device Interfaces	<ul style="list-style-type: none"> DGS-105: Five 10/100/1000 Gigabit LAN ports 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 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 DGS-105: 10 Gbps DGS-108: 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 Supports 9,720 bytes Jumbo Frames Supports IEEE 802.1p QoS (4 Queues, Strict Mode) Supports Cable Diagnostics Function
Protocol	<ul style="list-style-type: none"> CSMA/CD
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) Gigabit Ethernet: <ul style="list-style-type: none"> 2000 Mbps (full duplex)

DGS-105/108 5/8-Port Gigabit Desktop Switch

Transmission Method	• Store-and-forward	
MAC Address Table	• DGS-105: 4 K	• DGS-108: 4 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	• DGS-105: 128 KB per device	• DGS-108: 192 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 65 x 27 mm (3.54 x 2.56 x 1.06 inches)	• DGS-108: 128 x 68 x 27 mm (5.04 x 2.68 x 1.06 inches)
Weight	• DGS-105: 140 grams (4.94 ounces)	• DGS-108: 200 grams (7.05 ounces)
Power	• 5 V/1 A	
Power Consumption	• DGS-105: • Power On (Standby): AC input: 0.7 watts • Maximum: 0.7 watts (power on), AC input: 3.9 watts	• DGS-108: • Power On (Standby): AC input: 0.8 watts • Maximum: 0.8 watts (power on), AC input: 4.7 watts
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	• DGS-105: 1,152,117 hours	• DGS-108: 1,061,111 hours
Heat Dissipation	• DGS-105: DC Input: 13.299 BTU/h (Maximum)	• DGS-108: AC Input: 16.027 BTU/h (maximum)
Certifications	• FCC Class B • CE Class B • RCM • LVD	• ICES-003 Class B • VCCI Class B • cUL • CB
Order Information		
<i>Part Number</i>	<i>Description</i>	
DGS-105/108	5/8-Port Gigabit Desktop Switch	

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