D-Link®
Building Networks for People

DGS-1008G
8-Port Gigabit Desktop Switch

Features

Connectivity
- Eight Gigabit Ethernet LAN ports for high-speed wired connections

Green Ethernet
- 802.3 Energy-Efficient Ethernet (EEE) allows for less power consumption during periods of low data activity
- Reduces power to a port when no link is detected
- Adjust power to a port by detecting the length of the connected Ethernet cable

Advanced Features
- IEEE 802.1p QoS prioritizes traffic by data type to provide optimal performance
- Cable Diagnostics Function quickly notifies users of cable conditions via product LEDs

The DGS-1008G 8-Port Gigabit Desktop Switch is part of D-Link's new series of SOHO devices with stylish designs that make use of D-Link's Green Technology, providing energy savings, reduced heat, and a longer product life without sacrificing performance or functionality. It provides eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.

Modern and Elegant Design

Featuring a clean, understated design that fits into any decor, the DGS-1008G 8-Port Gigabit Desktop Switch is unique in style and compact as well. The neutral color palette blends into most environments easily, and small LEDs keep you informed without being overwhelmed. Simply plug in a Mini USB power connector, which is smaller than a standard DC power jack, and it's ready to accept Ethernet connections from any device for Gigabit networking speeds.
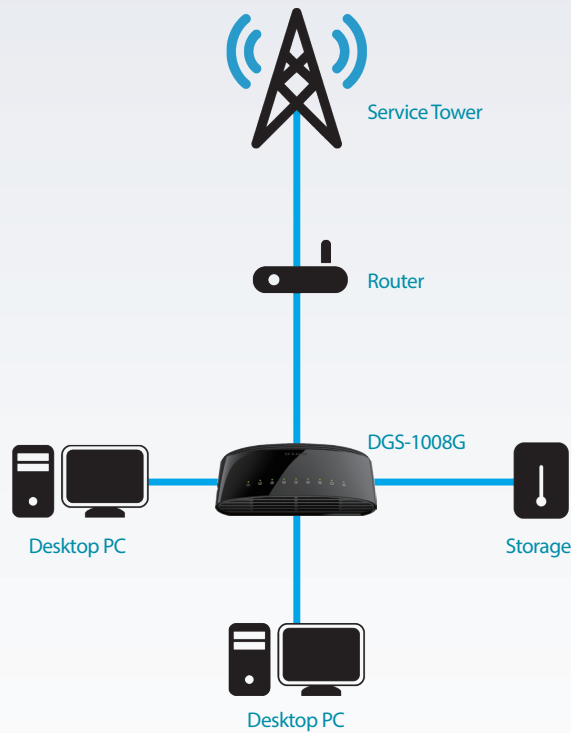
Advanced Features for Fast Performance

The DGS-1008G comes with eight Gigabit Ethernet ports for high-speed data transfers so you can stream movies and play games smoothly and lag-free. Featuring 802.1p Quality of Service (QoS), the 8-Port Gigabit Desktop Switch lets you prioritize traffic by type so that streaming media such as network telephony stays smooth when you need it.

Environmentally-friendly

The 8-Port Gigabit Desktop Switch was designed with the environment in mind, and is compliant with Energy Star Level VI, as well as with the stringent CEC and MEPS regulations that require the use of energy efficient power adapters. 802.3az Energy-Efficient Ethernet helps you reduce power usage by automatically powering down ports that have no link, resulting in a smaller carbon footprint. The switch is also built to follow RoHS standards to minimize the use of hazardous materials (RoHS compliant), and uses recyclable packaging that helps reduce waste, complying with the WEEE directive.

Your Network Setup

Service Tower

Router

DGS-1008G

Desktop PC

Storage

Desktop PC

Technical Specifications

General

Device Interfaces	• Eight 10/100/1000 Gigabit LAN ports
Standards	• 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	• Green Ethernet • 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

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	• 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	• 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	• 138 x 85 x 34 mm (5.4 x 3.3 x 1.3 inches)	
Weight	• 130 grams (4.59 ounces)	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• Power On (Standby): AC input: 0.7 watts	• Maximum: DC input: 3.48 watts, AC input: 5.3 watts
Temperature	• Operating: 0 to 40 ℃ (32 to 104 °F)	• Storage: -10 to 70 ℃ (14 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• 1,060,912 hours	
Certifications	• CE class B • FCC class B • ICES-003 Class B • VCCI class B	• RCM • cUL • CB • LVD

Order Information	
Part Number	*Description*
DGS-1008G	8-Port Gigabit Desktop Switch

Updated 2019/01/07

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