

## Product Highlights

### High-Speed Networking

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

### Save Energy Automatically

EEE compliance reduces energy consumption without sacrificing performance while cutting down on your power bill

### Eco-Friendly and Economical

Economical yet innovative design runs cool and quiet, making for an unobtrusive addition to the workplace



## DGS-1008A

# 8-Port Gigabit Switch

## Features

### Connectivity

- Eight Gigabit Ethernet LAN ports for high-speed wired connections
- Cable Diagnostics Function notifies users of cable conditions through product LEDs

### Green Ethernet

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

The DGS-1008A 8-Port Gigabit Switch is part of D-Link's new series of SOHO 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. It provides eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity. An energy-efficient power adapter (Energy Star Level V qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.

## Fast and Reliable Networking

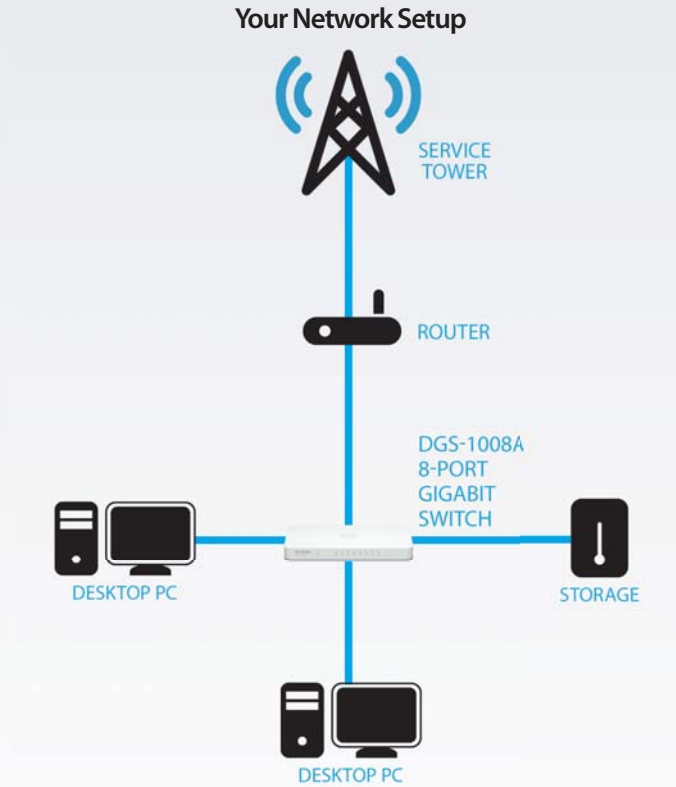
The D-Link DGS-1008A 8-Port Gigabit Switch creates a blazing fast network for your office, as its Gigabit Ethernet ports provide high-speed wired connections for up to eight PCs or other devices. The DGS-1008A also features QoS, which prioritizes network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. It's stylish, easy-to-use, and comes IPv6-ready for a reliable network today and tomorrow.

## Conserve Energy

The 8-Port Gigabit Switch helps you conserve energy automatically through several methods. It automatically powers down ports that have no link, allowing the switch to save a substantial amount of power by cutting power usage for unused ports. It also adjusts the amount of power supplied to a port according to the length of the connected Ethernet cable.

## Environmentally-friendly

The 8-Port Gigabit Switch was designed with the environment in mind, and is 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 switch is also built to follow RoHS standards to minimize the use of hazardous materials, and uses recyclable packaging that helps reduce waste, complying with the WEEE directive.



## Technical Specifications

### General

Device Interfaces	• Eight 10/100/1000 Gigabit LAN ports
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### Functionality

Advanced Features	<ul style="list-style-type: none"> <li>• Green Ethernet</li> <li>• 16 Gbps switching fabric</li> <li>• Auto MDI/MDIX crossover for all ports</li> <li>• Secure store-and-forward switching scheme</li> </ul>	<ul style="list-style-type: none"> <li>• Full/half-duplex for Ethernet/Fast Ethernet speeds</li> <li>• IEEE 802.3x Flow Control</li> <li>• Supports 9,216 Byte Jumbo Frames</li> <li>• Supports IEEE 802.1p QoS (4 Queues, Strict Mode)</li> <li>• Supports Cable Diagnostics Function</li> </ul>
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Protocol	• CSMA/CD
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Data Transfer Rates	<ul style="list-style-type: none"> <li>• Ethernet: <ul style="list-style-type: none"> <li>• 10 Mbps (half duplex)</li> <li>• 20 Mbps (full duplex)</li> </ul> </li> <li>• Fast Ethernet: <ul style="list-style-type: none"> <li>• 100 Mbps (half duplex)</li> <li>• 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>
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Transmission Method	• Store-and-forward
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MAC Address Table	• 8 K
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MAC Address Learning	• Automatic Update
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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>	<ul style="list-style-type: none"> <li>• Gigabit Ethernet: 1,488,000 pps per port</li> </ul>
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RAM Buffer	• 128 KB per device
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# DGS-1008A 8-Port Gigabit Switch

Physical	
LED Indicators	<ul style="list-style-type: none"><li>• Per port: Link/Activity/Speed</li><li>• Per device: Power</li></ul>
Media Interface Exchange	<ul style="list-style-type: none"><li>• Auto MDI/MDIX adjustment for all ports</li></ul>
Dimensions	<ul style="list-style-type: none"><li>• 131 x 82 x 22 mm (5.16 x 3.23 x 0.9 inches)</li></ul>
Weight	<ul style="list-style-type: none"><li>• 330 grams (0.73 lbs)</li></ul>
Power	<ul style="list-style-type: none"><li>• 5 V/1 A Power Adapter</li></ul>
Power Consumption	<ul style="list-style-type: none"><li>• Power On (Standby): DC input: 0.59 watts, AC input: 1.5 watts</li><li>• Maximum: DC input: 3.48 watts, AC input: 5.4 watts</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 40 °C (32 to 104 °F)</li><li>• Storage: -10 to 70 °C (14 to 158 °F)</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 10% to 90% non-condensing</li><li>• Storage: 5% to 90% non-condensing</li></ul>
MTBF	<ul style="list-style-type: none"><li>• 522,270 hours</li></ul>
Certifications	<ul style="list-style-type: none"><li>• CE class B</li><li>• FCC class B</li><li>• ICES-003 Class B</li><li>• VCCI class B</li><li>• C-Tick</li><li>• Anatel</li><li>• CCC</li><li>• cUL</li><li>• CB</li><li>• LVD</li></ul>
Order Information	
<i>Part Number</i>	<i>Description</i>
DGS-1008A	8-Port Gigabit Switch

Updated 2013/04/29