D-Link®
Building Networks for People

DGS-1005A

5-Port Gigabit Easy Desktop Switch

Features

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

Green Ethernet Features
- Reduces power to a port when no link is detected
- Adjust power to a port by detecting the length of the connected Ethernet cable
- Save power with 802.3 Energy Efficient Ethernet

The DGS-1005A 5-Port Gigabit Easy Desktop 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 five 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 Level VI qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.
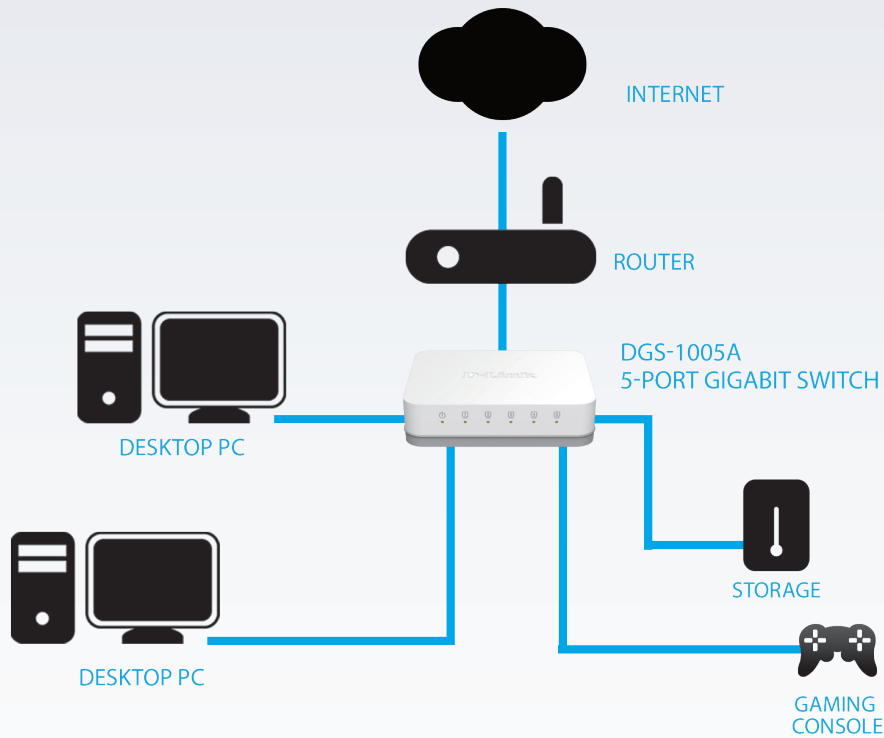
Fast and Reliable Networking

The D-Link DGS-1005A 5-Port Gigabit Easy Desktop Switch's Gigabit Ethernet ports provide high-speed wired connections for up to five PCs or other devices. The DGS-1005A QoS feature prioritizes network traffic so that time-sensitive data, such as online gaming or digital video streaming is delivered efficiently for the best possible preformance. Even during bursts of high data traffic, the DGS-1005A consistently provides your network with a reliable connection.

Cost-Efficient Solution

The simple and compact design of the DGS-1005A makes this switch an easy addition to any network. D-Link provides a high value for money product, without sacrificing quality. Additionally, the DGS-1005A 5-Port Gigabit Easy Desktop Switch supports 802.3 Energy-Efficient Ethernet that can automatically save power usage based on data activity and transmission distance, saving on your electric bill.

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Your Network Setup

INTERNET

ROUTER

DGS-1005A
5-PORT GIGABIT SWITCH

DESKTOP PC

STORAGE

DESKTOP PC

GAMING
CONSOLE

Technical Specifications

General

Device Interfaces	• Five 10/100/1000 Gigabit LAN ports
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3az Energy-Efficient Ethernet (EEE)

Functionality

Advanced Features	• Green Ethernet • 10 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 9,216 Byte Jumbo Frames • Supports IEEE 802.1p QoS (4 Queues, Strict Mode)

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	• 2 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	• 91 x 73 x 22 mm (3.58 x 2.87 x 0.9 inches)	
Weight	• 80 grams (2.82 lbs)	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• Maximum AC input: 2.01 watts	• Standby AC input: 0.31 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	• 1,142,747 hours	
Certifications	• CE class B • FCC class B • ICES-003 Class B • VCCI class B	• Anatel • CB/LVD • RCM

Order Information

Part Number	Description
DGS-1005A	5-Port Gigabit Easy Desktop Switch

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