D-Link®
Building Networks for People

Product Highlights

High-Speed Networking

Gigabit ports allow you to connect up to five 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-1005A
5-Port Gigabit Switch

Features

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

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

The DGS-1005A 5-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 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 (EnergyStar Level V qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.
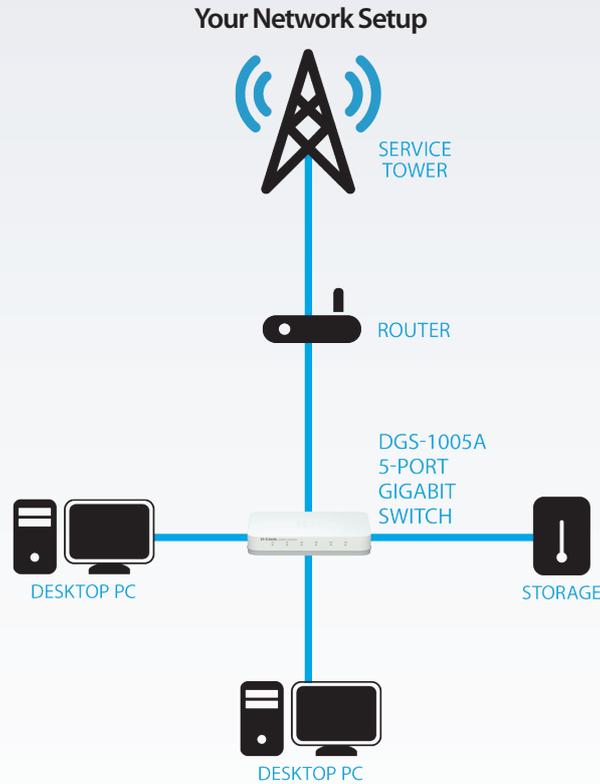
Fast and Reliable Networking

The D-Link DGS-1005A 5-Port Gigabit Switch creates a blazing fast network for your office, as its Gigabit Ethernet ports provide high-speed wired connections for up to five PCs or other devices. The DGS-1005A 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 5-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 or ports connected to computers that have been shut down.

Environmentally-friendly

The 5-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 use of hazardous materials, and uses recyclable packaging that helps reduce waste, complying with the WEEE directive.

Your Network Setup

SERVICE TOWER

ROUTER

DGS-1005A 5-PORT GIGABIT SWITCH

DESKTOP PC

STORAGE

DESKTOP PC

Technical Specifications

General

Device Interfaces	• Five 10/100/1000 Gigabit LAN ports	

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) • Supports Cable Diagnostics Function
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)
Protocol	• CSMA/CD	

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	• 330 grams (0.73 lbs)	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• DC input: 2.37 watts, AC input: 3.9 watts	
Temperature	• Operating: 0 to 40 ℃ (32 to 104 ℉)	• Storage: -10 to 70 ℃ (14 to 158 ℉)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• 1,261,786.896 hours	
Certifications	• CE class B • FCC class B • ICES-003 Class B • VCCI class B • C-Tick	• Anatel • CCC • cUL • CB • LVD

Order Information	
Part Number	*Description*
DGS-1005A	5-Port Gigabit Switch

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