D-Link®

DGS-1005D

5-Port Gigabit Desktop 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-1005D 5-Port Gigabit Desktop Switch is part of D-Link's series of SOHO devices that allows you to easily expand and upgrade your network. D-Link's Green Technology provides energy savings, reduces heat, and a longer product life without sacrificing performance or functionality. DGS-1005D 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), minimised use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.

Fast and Reliable Networking

The D-Link DGS-1005D 5-Port Gigabit Desktop 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-1005D also features QoS, which prioritises 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 Desktop 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.

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 • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet	• 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	• Per device: Power
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports-	
Dimensions	• 111 x 75 x 30 mm	
Weight	• 80 grams	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• Maximum: 2.01 W	• Standby: 0.31 W
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	• 1,142,330 hours	
Certifications	• CE class B, FCC class B, ICES-003 Class B, VCCI class B, C-Tick, cUL, CB, LVD	

For more information: www.dlink.com

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