

Product Highlights

High-Speed Networking

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

Automatically Energy Saving

Energy Efficient Ethernet 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-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.

DGS-1005D 5-Port Gigabit Desktop Switch

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

