

## 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 | <ul style="list-style-type: none"><li>• Green Ethernet</li><li>• 10 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> |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|           |                                                                                                                                                                                  |                                                                                                                                                                                   |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards | <ul style="list-style-type: none"><li>• IEEE 802.3 10BASE-T Ethernet</li><li>• IEEE 802.3u 100BASE-TX Fast Ethernet</li><li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li></ul> | <ul style="list-style-type: none"><li>• ANSI/IEEE 802.3 NWay auto-negotiation</li><li>• IEEE 802.3x Flow Control</li><li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li></ul> |
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|          |           |
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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></ul> | <ul style="list-style-type: none"><li>• Fast Ethernet:<ul style="list-style-type: none"><li>• 100 Mbps (half duplex)</li><li>• 200 Mbps (full duplex)</li></ul></li><li>• Gigabit Ethernet:<ul style="list-style-type: none"><li>• 2000 Mbps (full duplex)</li></ul></li></ul> |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                     |
|---------------------|---------------------|
| Transmission Method | • Store-and-forward |
|---------------------|---------------------|

|                   |       |
|-------------------|-------|
| MAC Address Table | • 2 K |
|-------------------|-------|

|                      |                    |
|----------------------|--------------------|
| MAC Address Learning | • Automatic Update |
|----------------------|--------------------|

|                                   |                                                                                                                               |                                            |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 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> | • Gigabit Ethernet: 1,488,000 pps per port |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|

|            |                     |
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| RAM Buffer | • 128 KB per device |
|------------|---------------------|

### Physical

|                |                                                                           |                     |
|----------------|---------------------------------------------------------------------------|---------------------|
| LED Indicators | <ul style="list-style-type: none"><li>• Per port: Link/Activity</li></ul> | • Per device: Power |
|----------------|---------------------------------------------------------------------------|---------------------|

|                          |                                           |
|--------------------------|-------------------------------------------|
| Media Interface Exchange | • Auto MDI/MDIX adjustment for all ports- |
|--------------------------|-------------------------------------------|

|            |                    |
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| Dimensions | • 111 x 75 x 30 mm |
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|        |            |
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| Weight | • 80 grams |
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|       |                         |
|-------|-------------------------|
| Power | • 5 V/1 A Power Adapter |
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|                   |                                                                   |                   |
|-------------------|-------------------------------------------------------------------|-------------------|
| Power Consumption | <ul style="list-style-type: none"><li>• Maximum: 2.01 W</li></ul> | • Standby: 0.31 W |
|-------------------|-------------------------------------------------------------------|-------------------|

|             |                                                                                        |                                        |
|-------------|----------------------------------------------------------------------------------------|----------------------------------------|
| Temperature | <ul style="list-style-type: none"><li>• Operating: 0 to 40 °C (32 to 104 °F)</li></ul> | • Storage: -10 to 70 °C (14 to 158 °F) |
|-------------|----------------------------------------------------------------------------------------|----------------------------------------|

|          |                                                                                        |                                     |
|----------|----------------------------------------------------------------------------------------|-------------------------------------|
| Humidity | <ul style="list-style-type: none"><li>• Operating: 10% to 90% non-condensing</li></ul> | • Storage: 5% to 90% non-condensing |
|----------|----------------------------------------------------------------------------------------|-------------------------------------|

|      |                   |
|------|-------------------|
| MTBF | • 1,142,330 hours |
|------|-------------------|

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| Certifications | • CE class B, FCC class B, ICES-003 Class B, VCCI class B, C-Tick, cUL, CB, LVD |
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For more information: [www.dlink.com](http://www.dlink.com)

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