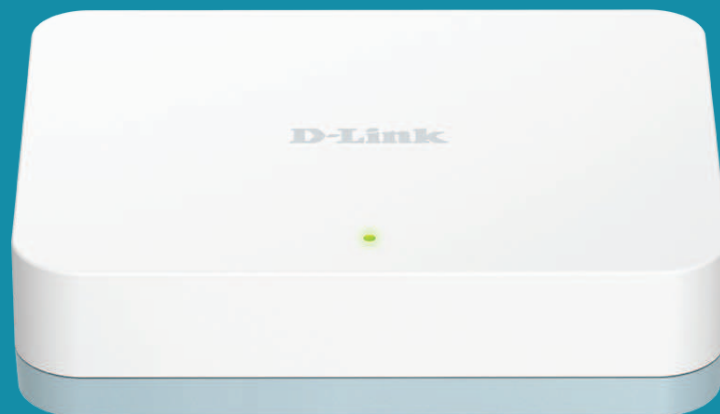# D-Link®

5-Port Gigabit Desktop Switch

Compact switch for high-speed Gigabit connectivity with smart energy-efficient capabilities

DGS-1005D

- **5 Gigabit Ethernet LAN ports for high-speed wired connections**
- **Reduces power to a port when no link is detected**
- **Save power with 802.3az Energy Efficient Ethernet**

Gigabit Ports
Gigabit ports provide high-speed connectivity for your devices

Power-Saving Technology
Power to port is reduced when inactivity is detected and 802.3az Energy Efficient Ethernet saves overall power consumption

Fast, Reliable Networking
QoS prioritization keeps your latency-sensitive services such as voice and video running smoothly

IGMP Snooping
Optimizes multicast data streams and bandwidth usage for greater efficiency

General

Device Interfaces	5 x Gigabit Ethernet LAN ports, 1 x power connector
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)

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 9KB Jumbo Frame • Supports IEEE 802.1p QoS
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
Packet Buffer	128 KB	

Physical

LED Indicators	• Per port: Link/Activity	• Per device: Power
Media Interface Exchange	• Auto MDI/MDIX for all ports	
Dimensions	• 94 x 75 x 22.45 mm	
Weight	• 75 g	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• Maximum AC input: 2.87 W	• Standby AC input: 0.47 W
Temperature	• Operating: 0 to 40 °C	• Storage: -10 to 70 °C
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• 1,479,725 hours	
Certifications	• CE class B • FCC class B • ICES-003 Class B • VCCI class B • BSMI	• LVD • RCM • Anatel • KCC

INTERNET

ROUTER

DGS-1005D
5-PORT GIGABIT SWITCH

DESKTOP PC

STORAGE

DESKTOP PC

GAMING
CONSOLE

D-Link®