



Product Highlights

Gigabit Ethernet Speeds

High-speed ports provide the latest Ethernet technology while remaining backward compatible for connections to older computers and equipment

Built to Last

Rugged metal housing, desktop or rackmountable, reliability that businesses demand

Eco-Friendly

Innovative D-Link Green Ethernet features save power automatically so you can do your part for the environment while reducing operating costs



Limited
Lifetime
Warranty

DGS-1016D and DGS-1024D

16 and 24-Port Gigabit Unmanaged Desktop or Rackmount Switches

Features

Physical

- 16 or 24 Gigabit Ethernet ports for fast network speeds
- Desktop or rackmountable metal housing - rackmount brackets included
- Fanless design for silent operation

Performance

- IEEE 802.3x Flow Control (can be enabled/disabled¹)
- Port Isolation and Broadcast Storm Control (can be enabled/disabled¹)
- Auto MDI/MDI-X crossover for all ports
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- Jumbo Frame support

Energy Efficiency

- Innovative D-Link Green Ethernet Technology conserves energy
- Link status detection reduces power usage
- 802.3az EEE reduces power consumption significantly (can be enabled/disabled¹)
- RoHS compliant

Easy Installation

- Plug-and-play installation saves you time

Overview

The D-Link 16-Port Gigabit Unmanaged Desktop or Rackmount Switch and the 24-Port Gigabit Unmanaged Desktop or Rackmount Switch each offer an economical way for SOHO and small to medium businesses (SMB) to deploy an energy-efficient switch that features the increased bandwidth of Gigabit ports.

Gigabit on Every Port

These switches bring the speed of Gigabit Ethernet to each and every port for a truly high-speed network. If your network has a mix of legacy and modern computing capabilities, each port allows for 10Mbps standard Ethernet, 100 Mbps Fast Ethernet, or 1000Mbps Gigabit Ethernet connections. You have the latest technology available to every computer and device connected to your network.

Conserves Energy

The DGS-1016D and DGS-1024D help you conserve energy automatically through several methods. They automatically power down ports that have no link, saving substantial amounts of power by cutting power usage for unused ports or any ports connected to computers that have been shut down.

Easy to Install and Maintain

These switches were designed for Plug-and-Play and hassle-free installation. Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables when connecting to another switch or hub. Auto-negotiation on each port senses the link speed of a network device and intelligently adjusts for compatibility and optimal performance. Diagnostic LEDs and cable diagnostics allow for quick detection and correction of network problems.

Improved Network Efficiency

The DGS-1016D and DGS-1024D switches incorporate several optional advanced features to help simplify and improve network management and efficiency. Flow Control throttles connections to ensure connectivity during heavy usage periods by reducing packet loss and wasteful data retransmission. In addition, Storm Control and Port Isolation mitigates the effects of broadcast storms caused by rogue software and malware, which propagate across networks and can bring communication to a standstill.

Limited Lifetime Warranty

D-Link offers a Limited Lifetime Warranty on the DGS-1016D and DGS-1024D unmanaged switches to further its commitment to product quality and long-term customer confidence.

Technical Specifications

	DGS-1016D	DGS-1024D
		
General		
Number of Ports	• Sixteen (16) 10/100/1000 Gigabit ports	• Twenty-four (24) 10/100/1000 Gigabit ports
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
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)
Network Cables	• 10BASE-T: • UTP CAT 3, 4, 5/5e (100 m max) • EIA/TIA-586 100-ohm STP (100 m max)	• 100BASE-TX, 1000BASE-T: • UTP CAT 5/5e (100 m max) • EIA/TIA-568 100-ohm STP (100 m max)
Functionality		
D-Link Green Features	• IEEE 802.3az Energy Efficient Ethernet (EEE) • Link status detection power saving • RoHS Compliance	
Media Interface Exchange	• Auto MDI/MDIX	
Transmission Method	• Store-and-Forward switching method	
MAC Address Table	• 8K MAC addresses	
RAM Buffer	• 512 KBytes RAM for data buffering	
Jumbo Frames	• 9216 Bytes	• 9600 Bytes
Switching Capacity	• 32 Gbps	• 48 Gbps
Port Packet Filtering	• 10M: 14,880 pps • 100M: 148,800 pps • 1000M: 1,488,000 pps	

DGS-1016D and DGS-1024D

16 and 24-Port Unmanaged Gigabit Switches

Physical		
Front Panel Switches ¹	• (#1) Enable/disable EEE • (#2) Enable/disable Flow Control	• (#3) Enable/disable Port Isolation/Broadcast Storm Control
LEDs	• Power LED • 16 Link/Activity/Speed LEDs (one per port)	• Power LED • 24 Link/Activity/Speed LEDs (one per port)
Power Inputs	• 100 to 240V AC Input	
Power Consumption	• Standby: 4.78 watts • Maximum: 10.24 watts	• Standby: 5.0 watts • Maximum: 12.5 watts
Heat Dissipation	• Standby: 16.30 BTU/h • Maximum: 34.94 BTU/h	• Standby: 17.06 BTU/h • Maximum: 42.66 BTU/h
MTBF	• 908,130 hours	• 1,157,698 hours
Dimensions	• 11.02 x 4.92 x 1.73 inches (280 x 125 x 44 mm)	• 11.02 x 7.09 x 1.73 inches (280 x 180 x 44 mm)
Weight	• 2.29 lbs (1.04 kg)	• 2.98 lbs (1.35 kg)
Temperature	• Operating: 32 to 104 °F (0 to 40 °C)	• Storage: 14 to 158 °F (-10 to 70 °C)
Humidity	• Operating: 5% to 90% RH, non-condensing	• Storage: 5% to 95% RH
Certifications		
Emissions Certifications (EMI)	• FCC Class A • ICES-003 Class A • CE Class A • VCCI Class A	• C-Tick Class A • CCC • BSMI • KCC
Safety	• cUL/UL • CB • CCC	• BSMI • CE(LVD)
Ordering Information		
Part Number	Description	
DGS-1016D	16-Port Gigabit Unmanaged Desktop or Rackmount Switch	
DGS-1024D	24-Port Gigabit Unmanaged Desktop or Rackmount Switch	
Warranty Information		
Warranty	Limited Lifetime Warranty ²	

¹ Front panel control switches are applicable only for DGS-1016D hardware rev G3 and higher, and for DGS-1024D hardware rev G2 and higher.

² Limited Lifetime Warranty available in USA only.

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For more information

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