D-Link®

Product Highlights

High-Speed Networking

Up to five or eight Gigabit Ethernet ports can be used to connect high-speed devices, allowing fast file transfers and maximising network bandwidth

Quality of Service

Layer 2 Quality of Service (QoS) provides traffic prioritisation on the local network, ensuring smooth VoIP calls and responsive applications

Environmentally Friendly

IEEE 802.3az Energy-Efficient Ethernet (EEE) reduces power consumption when ports are not in use, conserving energy and lowering costs

DGS-105/108

5/8-Port Gigabit Unmanaged Desktop Switch

Features

Fast Connectivity

- Five (DGS-105) or eight (DGS-108) Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience
- Cable diagnostics notifies users of cable conditions through diagnostic LEDs

Multicast Features

- L2 multicast functions including IGMP snooping optimise multicast data streams for bandwidth intense applications like IPTV.

Robust Design

- Rugged metal housing

Green Ethernet Features

- Reduces power on a port when no link is detected
- Adjusts power on a port by detecting the length of the connected cable

Eco-Friendly Design

- Energy Star compliant
- RoHS compliant

The DGS-105/108 5/8-Port Gigabit Unmanaged Desktop Switch are ideally suited for Small Office Home Office (SOHO), Small Medium Business (SMB), and Small Medium Enterprise (SME) environments. With a durable design, silent operation, and plug-and-play functionality, the DGS-105/108 switches can be easily set up and be placed in almost any location where network connectivity is required. Support for IEEE 802.3az Energy-Efficient Ethernet (EEE), Layer 2 Quality of Service (QoS), and Gigabit Ethernet connection speeds provide advanced features in a compact package.

Robust Design

The DGS-105/108 are designed with durability and performance in mind. Their sturdy metal housing ensures the product can withstand extreme temperatures and can be placed in typical industrial environments such as factories, construction and mining. They help to dissipate heat and reduce stress on internal components.

Integrated Networking

The DGS-105/108 switches use auto-sensing 10/100/1000 Mbps ports, allowing a small workgroup to flexibly connect Ethernet, Fast Ethernet, and Gigabit devices to create an integrated network. These ports detect the network speed and auto-negotiate between 10BASE-T and 100BASE-TX at full and half-duplex, and 1000BASE-TX at full duplex, allowing you to get the maximum speed possible for each device connected to your network.

Simplified Installation

All of the ports on the DGS-105/108 switches support automatic MDI/MDIX crossover, eliminating the need for crossover cables or uplink ports. Each port can be plugged in directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables. In addition, the DGS-105/108 switches feature multiple front-facing, easy-to-access Ethernet ports with two colour LED indicators per port to easily distinguish link status.

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DGS-105/108
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Green Technology

The DGS-105/108 switches feature green technology, such as IEEE 802.3az Energy-E□cient Ethernet (EEE), link status detection, and cable length detection. Energy-E□cient Ethernet reduces power consumption of the switch when network utilisation is low, reducing the cost of ownership during periods of inactivity. Link status detection automatically powers down ports when there is no link detected, saving power when the connected device has been shut down or disconnected. Cable length detection automatically adjusts the power output of the port based on the length of the cable, reducing the power requirements of the switch to only what is necessary for the installation.

Tra□c Management

The DGS-105/108 switches include tra□c management features, such as IEEE 802.1p Quality of Service (QoS) and IEEE 802.3x Flow Control. The 802.1p QoS feature allows tra□c to be classi□ed in 8 priority levels, allowing di□erent types of tra□c to be prioritised, depending on their importance. Flow Control signals to clients when the switch's input bu□er is full, helping to minimise dropped packets and providing a more reliable connection for all of your connected devices.

Technical Speci□cations

General		
Model Number	• DGS-105	• DGS-108
Device Interfaces	• 5 10/100/1000BASE-T ports	• 8 10/100/1000BASE-T ports
Standards	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)	
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
Performance		
Transmission Method	• Store-and-forward	
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)	
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	
MAC Address Table	• 2K entries	• 4K entries
MAC Address Learning	• Automatic update	
RAM Buffer	• 128 KB	• 192 KB
LEDs		
Power (per unit)	✓	
Link/Activity/Speed (per port)	✓	

DGS-105/108 5/8-Port Gigabit Unmanaged Desktop Switch

Physical		
Dimensions	• 100 x 98 x 28 mm (3.93 x 3.86 x 1.10 inches)	• 162 x 102 x 28 mm (3.54 x 2.83 x 1.06 inches)
Weight	• 267 grams (0.59 lbs)	• 415 grams (0.92 lbs)
Power	• 5 V/1 A	
Power Consumption	• Powered on (standby): • DC input: 0.3 W • AC input: 0.3 W • Maximum: • DC input: 1.85 W • AC input: 3.10 W	• Powered on (standby): • DC input: 0.4 W • AC input: 0.4 W • Maximum: • DC input: 3.05 W • AC input: 4.62 W
Temperature	• Operating: 0 to 45 °C (32 to 104 °F) • Storage: -10 to 70 °C (14 to 158 °F)	
Humidity	• Operating: 0% to 95% non-condensing • Storage: 0% to 95% non-condensing	
MTBF	• 604,194 hours	• 621,163 hours
Heat Dissipation	• Maximum: 6.31 BTU/h	• Maximum: 10.40 BTU/h
Certifications		
Safety	• cUL • CB • LVD	• CCC • BSMI
EMI/EMC	• FCC Class B • CE Class B • ICES-003 Class B	• RCM • CCC • BSMI
Software Features		
L2 Features	• IGMP Snooping	

For more information: www.dlink.com

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