D-Link®

Product Highlights

Eco-Friendly

Innovative design runs quiet, cool, and clean, saving power automatically

High Speed Networking

Gigabit ports allow you to connect all your devices for fast file transfers and smooth media streaming

Intelligent Data Streaming

QoS support enables clear VoIP calls

Limited Lifetime Warranty

DGS-105 & DGS-108

5/8 Port Gigabit Unmanaged Metal Desktop Switch

Features

- Built-in D-Link Green Technology
- Rugged metal housing
- Inexpensive Gigabit solution for small and medium business
- Five/eight 10/100/1000 Mbps Gigabit ports
- 10/16 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 Jumbo Frames
- Supports IEEE 802.1p QoS
- Supports Cable Diagnostics Function
- RoHS compliant
- Plug-and-play installation

Overview

The DGS-105/DGS-108 5/8 Port Gigabit Unmanaged Metal Desktop Switch provides a quick, easy and economical way to add high speed networking to home offices and small/medium businesses. With data transfer speeds of up to 2000 Mbps the DGS-105/DGS-108 is ideal for fast file transfers, and smooth media streaming. It provides five or eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.

Effortless Gigabit Networking

With data transfer speeds of up to 2000 Mbps on Gigabit Ethernet, the D-Link DGS-105/DGS-108 Switch is ideal for transferring files quickly. Easy access front Ethernet ports with two color LED indicators per port allows you to quickly distinguish link status and speed. The switch supports IEEE 802.1p QoS, which organizes and prioritizes time-sensitive and important data for efficient delivery, allowing for smooth media streaming and VoIP calling. Additionally the switch incorporates a Kensington Security Slot on the rear panel allowing users to securely fasten the unit to a table or desk.

Gigabit connection for home and SOHO

The DGS-105/DGS-108 Switch offers an economical way for SOHO and small/medium businesses to benefit from the increased bandwidth of Gigabit Ethernet. It provides five or eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.

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

Think Green

The DGS-105/DGS-108 is a plug-and-play networking switch that offers D-Link's Green Technology to save energy and reduce heat, which in turn extends product life without sacrificing performance or functionality. The switch supports IEEE 802.3az Energy-Efficient Ethernet (EEE) which detects when a connected computer is shut down or when there is no Ethernet traffic, at which time the switch will automatically power down the idle port, saving a substantial amount of power. In addition, the switch can also save energy by detecting the cable length and using only as much power as necessary. Working together these features drastically reduce power consumption and heat dissipation, resulting in extended life and substantial cost savings.

IEEE 802.1p QoS

QoS prioritizes network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.

Environmentally Friendly

The DGS-105/DGS-108 Switch was designed with the environment in mind. It is compliant with Energy Star Level V, CEC, and MEPS regulations which require the use of energy efficient power adapters. Built to comply with RoHS standards to minimize use of hazardous materials and is packaged with an EnergyStar Level V qualified power adapter all in a recyclable packaging making this product truly environmental friendly.

Cable Diagnostics Function

The D-Link Cable Diagnostics Function enables users to be instantly aware of cable conditions through the LED display on the front-panel. Users can determine whether the pin connections of their cable connectors are correct, facilitating prompt network troubleshooting if required.

Technical Specifications

	DGS-105	DGS-108
		
Switching Capacity	• 10Gbps	• 16Gbps
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper)	• ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.1p QoS • 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)

D-Link®

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

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.)
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	• Per port: Link/Activity/Speed	• Per device: Power
Transmission Method	• Store-and-forward	
MAC Address Table	• 2K	• 8K
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	• 128KB per device	
Jumbo Frames	• 9,216 Bytes	
QoS	• 4 Queues, strict mode	
General Specifications		
DC Input	• External 5 V/1 A Level "V" Power Adapter	
Power Consumption	• Power On (Standby): DC input: 0.2 watts AC input: 0.74 watts • Maximum: DC input: 1.55 watts AC input: 2.75 watts	• Power On (Standby): DC input: 0.45 watts AC input: 1.14 watts • Maximum: DC input: 2.75 watts AC input: 4.15 watts
Heat Dissipation	• Power On (Standby) AC input: 2.5234 BTU/h • Maximum DC input: 5.2855 BTU/h	• Power On (Standby) AC input: 3.8874 BTU/h • Maximum DC input: 14.083 BTU/h
MTBF	• 593,755 hours	• 858,090 hours
Operating Temperature	• 32 to 104 ˚F (0 to 40 ˚C)	
Storage Temperature	• 14 to 158 ˚F (-10 to 70 ˚C)	
Operating Humidity	• 10% to 90% RH non-condensing	
Storage Humidity	• 5% to 90% RH non-condensing	
Dimensions	• 3.9 x 3.8 x 1.1 inches (100 x 98 x 28 mm)	• 6.3 x 4 x 1.1 inches (162 x 102 x 28 mm)
Weight	• 0.57 lbs (256 grams)	• 0.90 lbs (412 grams)
Certifications	• FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B	• VCCI Class B • cUL • CB

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

Warranty	
Warranty	• Limited Lifetime[1]
Ordering Information	
Part Number	*Description*
DGS-105	5 Port Gigabit Unmanaged Metal Desktop Switch
DGS-108	8 Port Gigabit Unmanaged Metal Desktop Switch

[1]Limited Lifetime Warranty available only in the USA. All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

Updated 03/19/2014

REV. C2

For more information

D-Link Systems, Inc. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | dlink.com

D-Link®
Building Networks for People