D-Link®

2ND GENERATION GREEN TECHNOLOGY

DGS-1008D

dlinkgreen™

8-PORT GIGABIT SWITCH

ECO-FRIENDLY	**HIGH SPEED NETWORKING**	**INTELLIGENT DATA STREAMING**
Innovative design runs quiet, cool, and clean, saving power automatically	Transfer files over your network at blazing gigabit speeds	QoS support provides clear VoIP calls and smooth online gaming

THINK GREEN

The D-Link 8-Port Gigabit Switch is part of D-Link's new series of SOHO devices that makes use of D-Link's 2nd generation Green Ethernet technology, providing more energy savings, less heat dissipation, and a longer product life without sacrificing operational performance or functionality. An efficient power supply (EnergyStar qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.

CONSERVES ENERGY

By building on the foundation of D-Link's 1st generation of Green Ethernet technology, the 8-Port Gigabit Switch helps you conserve energy automatically through several methods. It automatically powers down ports that have no link, allowing the switch to save substantial amounts of power by cutting power usage for unused ports or ports connected to computers that have been shut down. It can also detect connected cable lengths, and adjusts power usage accordingly, helping you save energy without affecting networking performance.

ENVIRONMENTALLY FRIENDLY

The 8-Port Gigabit Switch was designed with the environment in mind, and is compliant with Energy Star Level V, as well as with the stringent CEC and MEPS regulations that require the use of energy efficient power adapters. The switch is also built to follow RoHS standards to minimize use of hazardous materials, and uses recyclable packaging that helps reduce waste, complying with the WEEE directive.

DGS-1008D

GIGABIT CONNECTION FOR HOME AND SOHO

The DGS-1008D offers an economical way for SOHO and small to medium businesses (SMB) to benefit from the increased bandwidth of Gigabit Ethernet. It provides 8 Gigabit ports for fast server deployment to meet increasing network loads.
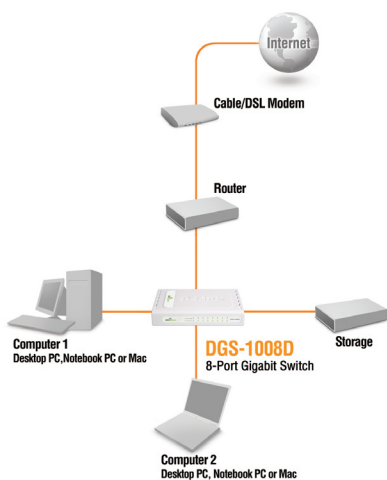
IEEE 802.1p QoS

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, VoIP calls, and online gaming.

CABLE DIAGNOSTICS FUNCTION

The D-Link Cable Diagnostics Function enables users to efficiently detect cable conditions through the LED display on the front-panel. Users can determine whether the pin connections of their cables' connectors are correct, facilitating network troubleshooting.

YOUR NETWORK SETUP

TECHNICAL SPECIFICATIONS

KEY FEATURES
- Innovative 2nd Generation D-Link Green Technology
- Inexpensive Gigabit solution for SOHO/SMB
- 8 10/100/1000Mbps Gigabit ports
- 16Gbps switching fabric
- Auto MDI/MDI-X crossover for all ports
- Secure store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Supports 9,720Bytes Jumbo Frames
- Supports IEEE 802.1p QoS (4 Queues, Strict Mode)
- Supports Cable Diagnostics Function
- RoHS compliant
- Plug-and-play installation

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 (4 queues, strict mode)

PROTOCOL
- CSMA/CD

DATA TRANSFER RATES
- Ethernet:
    - 10Mbps (half duplex)
    - 20Mbps (full duplex)
- Fast Ethernet:
    - 100Mbps (half duplex)
    - 200Mbps (full duplex)
- Gigabit Ethernet:
    - 2000Mbps (full duplex)

TOPOLOGY
- Star

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/MDI-X adjustment for all ports

LED INDICATORS
- Per port: 100Mbps/1000Mbps speed, Link/Activity
- Per device: Power

TRANSMISSION METHOD
- Store-and-forward

MAC ADDRESS TABLE
- 4K entries per device

MAC ADDRESS LEARNING
- Automatic update

PACKET FILTERING/FORWARDING RATES (HALF DUPLEX)
- Ethernet: 14,880 pps per port
- Fast Ethernet: 148,800 pps per port
- Gigabit Ethernet: 1,488,000 pps per port

RAM BUFFER
- 192KBytes per device

DC INPUT
- External 5V/2A Power Adapter
- External 7.5V/1A Power Adapter

POWER CONSUMPTION
- 5.2 watts (AC)
- 4.0 watts (DC)

OPERATING TEMPERATURE
- 0˚ to 40˚ C (32˚ to 104˚ F)

STORAGE TEMPERATURE
- -10˚ to 70˚ C (14˚ to 158˚ F)

OPERATING HUMIDITY
- 10% to 90% RH non-condensing

STORAGE HUMIDITY
- 5% to 90% RH non-condensing

DEVICE DIMENSIONS (W X D X H)
- 173 x 118 x 32 mm (7.6 x 4.65 x 1.26 inches)

CERTIFICATIONS
- FCC Class B
- ICES-003 Class B
- CE Class B
- C-Tick Class B
- VCCI Class B
- cUL

MTBF
- 454,099 hours

WIRED | **GIGABIT**