

**BUILD YOUR OWN
GREEN NETWORK**



8-PORT GIGABIT SWITCH

ECO-FRIENDLY AND ECONOMICAL

Economical yet innovative design
runs cool and quiet

HIGH SPEED NETWORKING

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

SAVES ENERGY AUTOMATICALLY

EEE compliance reduces energy
consumption without sacrificing
performance



THINK GREEN

The D-Link 8-port Gigabit Switch is part of D-Link's new series of SOHO devices that make use of D-Link's Green Technology, providing energy savings, reduced heat, and a longer product life without sacrificing performance or functionality. An energy-efficient power adapter (EnergyStar Level V qualified), minimized use of harmful substances (RoHS compliant), and recyclable packaging make this switch truly environmentally friendly.

CONSERVES ENERGY

The DGS-1008A 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.

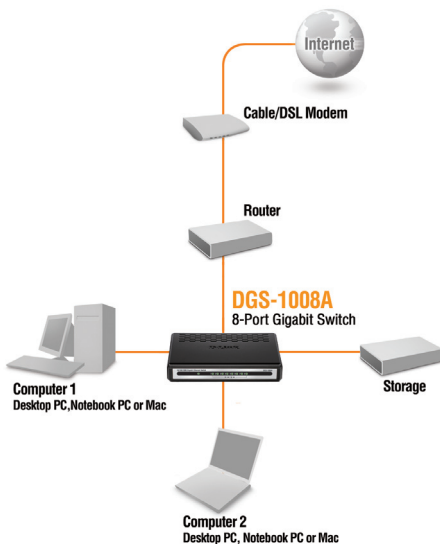
ENVIRONMENTALLY FRIENDLY

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.

GIGABIT CONNECTION FOR HOME AND SOHO

The DGS-1008A offers an economical way for SOHO and small to medium businesses (SMB) to benefit from the increased bandwidth of Gigabit Ethernet. It provides eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

KEY FEATURES

- Built-in D-Link Green Technology
- Inexpensive Gigabit solution for Home/SOHO
- Eight 10/100/1000 Mbps Gigabit ports
- 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 9,216 Byte Jumbo Frames
- 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

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)

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/MDIX adjustment for all ports

LED INDICATORS

- Per port: Link/Activity/Speed
- Per device: Power

TRANSMISSION METHOD

- Store-and-forward

MAC ADDRESS TABLE

- 8K entries per device

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

- 128 KBytes per device

DC INPUT

- Switching 5 V / 1 A Level "V" Power Adapter

POWER CONSUMPTION

- AC input: 3.9 watts
- DC input: 3.06 watts

MTBF

- 412,933 hours

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)

- 128 x 68.5 x 25.4 mm (5.0 x 2.7 x 1.0 inches)

CERTIFICATIONS

- CE Class B
- FCC class B
- ICES-003 Class B
- VCCI Class B
- C-Tick
- Anatel
- CCC
- LVD
- cUL/UL



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