



## 5-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 5-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-1005A 5-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.

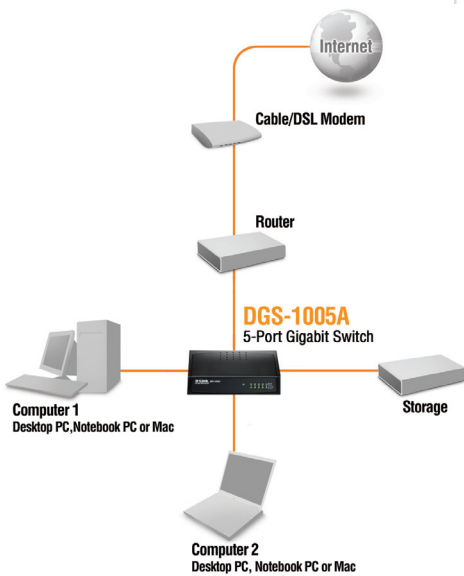
### ENVIRONMENTALLY FRIENDLY

The 5-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-1005A offers an economical way for SOHO and small to medium businesses benefit from the increased bandwidth of Gigabit Ethernet. It provides 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
- Five 10/100/1000 Mbps Gigabit ports
- 10 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
- 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)

#### 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 5V/1A Level "V" Power Adapter

#### POWER CONSUMPTION

- Power On (Standby):
  - AC input: 1.0 watts
- Maximum:
  - AC input: 3.0 watts

#### MTBF

- 890,860 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)

- 124 x 73 x 30 mm (4.9 x 2.9 x 1.2 inches)

#### CERTIFICATIONS

- CE Class B
- LVD



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