

BUILD YOUR OWN GREEN NETWORK



5-PORT GIGABIT SWITCH

ECO-FRIENDLY

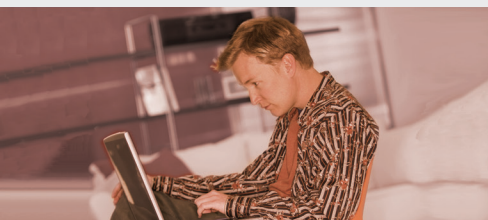
Innovative design runs quiet, cool, and clean, saving power automatically

HIGH SPEED NETWORKING

Transfer files over your network at blazing gigabit speeds

INTELLIGENT DATA STREAMING

QoS support provides clear VoIP calls and smooth online gaming



THINK GREEN

The D-Link 5-Port Gigabit Switch is part of D-Link's new series of SOHO devices that makes use of D-Link's Green Technology, providing energy savings, reduced heat, and a longer product life without sacrificing operational performance or functionality. An 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-1005D 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. It can also detect connected cable lengths, and adjusts power usage accordingly, helping you save energy without affecting networking performance.

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-1005D offers an economical way for SOHO and small to medium businesses (SMB) to benefit from the increased bandwidth of Gigabit Ethernet. It provides 5 Gigabit ports for fast server deployment to meet increasing network loads.

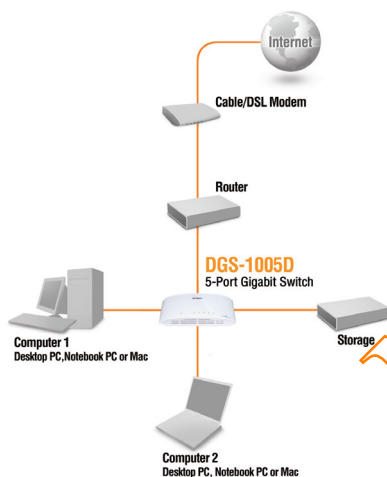
IEEE 802.1p QoS

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

- Built-in D-Link Green Technology
- Inexpensive Gigabit solution for Home/SOHO
- 5 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 9,000 Byte 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

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

- 4K 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

- 28 KBytes per device

DC INPUT

- External 5V/1.2A Power Adapter

POWER CONSUMPTION

- Power On (Standby):
 - DC input: 0.4 watts
 - AC input: 1.1 watts
- Maximum:
 - DC input: 3.2 watts
 - AC input: 4.5 watts

HEAT DISSIPATION

- Power On (Standby):
 - AC input: 3.751 BTU/h
- Maximum:
 - AC input: 15.345 BTU/h

MTBF

- 861,516 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)

- 144.2 x 100.2 x 32.6 mm
(5.7 x 4.0 x 1.3 inches)

CERTIFICATIONS

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



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