



8-PORT 10/100 SWITCH

SAVES ENERGY AUTOMATICALLY

EEE compliance reduces energy consumption without sacrificing performance

PLUG AND PLAY

Auto MDI/MDIX simplifies cable connections

COMPACT DESIGN

Stylish, compact design allows switch to be placed anywhere



AUTO-SENSING 10/100 PORTS

The DES-1008D uses auto-sensing 10/100 Mbps ports, allowing a small workgroup to flexibly connect to Ethernet and Fast Ethernet devices to create an integrated network. These ports detect the network speed and auto-negotiate between 10BASE-T and 100BASE-TX, as well as between full and half-duplex, allowing you to get the maximum speed possible for each device connected to your network.

AUTO MDI/MDIX CROSSOVER

All ports support automatic MDI/MDIX crossover, eliminating the need for crossover cables or uplink ports. Each port can be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables.

FLOW CONTROL FOR SECURE TRANSMISSION

802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full. This gives you a more reliable connection for all of your connected devices.

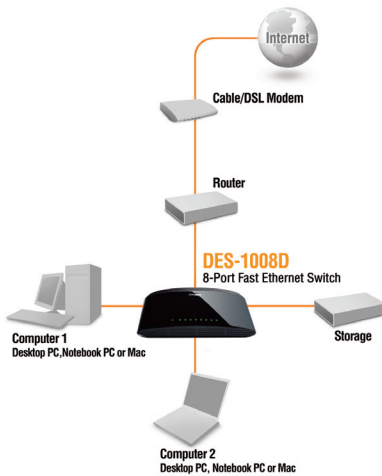
THINK GREEN

The D-Link 8-port 10/100 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. The 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.

WHAT THIS PRODUCT DOES

The DES-1008D 8-port 10/100 Mbps Switch is an 8-port 10/100 Mbps Fast Ethernet switch that allows you to quickly set up a wired network. Connect the DES-1008D to multiple computers together to share files and folders, or connect it to a router to share an Internet connection.

YOUR NETWORK SETUP



EIGHT RJ-45 10/100 BASE-TX PORTS
Connects to computers, print servers, or network storage

POWER CONNECTOR
Connects to external power adapter

TECHNICAL SPECIFICATIONS

KEY FEATURES

- Inexpensive Fast Ethernet solution for Home/SOHO
- Eight 10/100 Mbps Fast Ethernet ports
- Auto MDI/MDIX crossover for all ports
- Store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Plug-and-play installation
- RoHS compliant

SWITCHING FABRIC

- 1.6 Gbps switching fabric

STANDARDS

- IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)
- IEEE 802.3u 100BASE-TX Fast 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)

TOPOLOGY

- Star

MEDIA INTERFACE EXCHANGE

- Auto MDI/MDIX adjustment for all ports

NETWORK CABLES

- 10BASE-T:
 - UTP CAT 3/4/5/5e (100 m max.)
 - EIA/TIA-568 100-ohm STP (100 m max.)
- 100BASE-TX:
 - UTP CAT 5/5e (100 m max.)
 - EIA/TIA-568 100-ohm STP (100 m max.)

LED INDICATORS

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

TRANSMISSION METHOD

- Store-and-forward

MAC ADDRESS TABLE

- 1K 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

RAM BUFFER

- 57 KBytes per device

DC INPUT

- External 5 V/1.2 A power adapter

POWER CONSUMPTION

- Power On (Standby):
 - DC input: 0.184 watts
 - AC input: 0.986 watts
- Maximum:
 - DC input: 1.9 watts
 - AC input: 2.74 watts

HEAT DISSIPATION

- Power On (Standby):
 - AC input: 3.365 BTU/h
- Maximum:
 - AC input: 9.351 BTU/h

OPERATING TEMPERATURE

- 0 to 50 °C (32 to 122 °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)

- 164.5 x 111.5 x 36.0 mm (6.5 x 4.4 x 1.5 inches)

CERTIFICATIONS

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



D-Link Corporation
No. 289 Xinhu 3rd Road, Neihu, Taipei 114, Taiwan
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