



## **8-PORT 10/100 DESKTOP SWITCH**

Fanless design provides noise-free operation

Auto MDI/MDIX simplifies cable connections

Stylish, compact design allows switch to be placed anywhere



### **AUTO-SENSING 10/100 PORTS**

The DES-1008E 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.

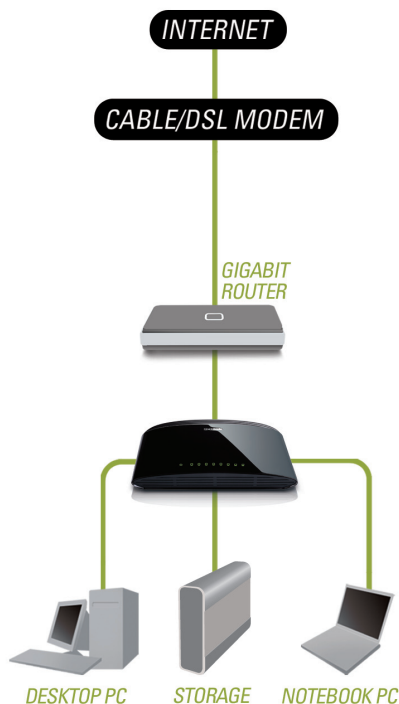
### **FLOW CONTROL FOR SECURE TRANSMISSION**

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.

#### WHAT THIS PRODUCT DOES

The DES-1008E 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-1008E to multiple computers together to share files and folders, or connect it to a router to share an internet connection.

#### YOUR NETWORK SETUP



#### TECHNICAL SPECIFICATIONS

##### KEY FEATURES

- + Inexpensive Fast Ethernet solution for home/SOHO
- + 8 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

##### 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

##### TRANSMISSION METHOD

- + Store-and-forward

##### 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

##### MAC ADDRESS TABLE

- + 2K 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 5V/1.2A power adapter

##### POWER CONSUMPTION

- + Power on (Standby):
  - DC input: 0.6 watts
  - AC input: 1.4 watts
- + Maximum:
  - DC input: 3.3 watts
  - AC input: 5.2 watts

##### HEAT DISSIPATION

- + Power on (Standby):
  - AC input: 4.774 BTU/h
- + Maximum:
  - AC input: 17.732 BTU/h

##### TEMPERATURE

- + Operating: 32 to 122 °F (0 to 50 °C)
- + Storage: 14 to 158 °F (-10 to 70 °C)

##### HUMIDITY

- + Operating: 10% to 90% RH Non-Condensing
- + Storage: 5% to 90% RH Non-Condensing

##### DEVICE DIMENSIONS(W X D X H)

- + 6.5" x 4.4" x 1.5" (164.5 x 111.5 x 36.0 mm)

##### CERTIFICATIONS

- + FCC/class B
- + ICES-003 class B
- + CE class B
- + C-tick class B
- + VCCI class B
- + cUL
- + CB

##### MTBF

- + 832,413 hours

##### WARRANTY

- + Limited Lifetime<sup>1</sup>

<sup>1</sup> Limited Lifetime Warranty available only in the USA and Canada if purchased on or after June 1, 2010. Visit [www.dlink.com](http://www.dlink.com) for warranty details.

All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein. See inside package for warranty details. Latest software and documentation are available at <http://www.dlink.com/support/>

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#### MINIMUM SYSTEM REQUIREMENTS

- + Devices Supporting 802.3 Ethernet, or 802.3u Fast Ethernet
- + CAT5 Ethernet Cable
- + Network Interface Card for each computer

#### PACKAGE CONTENTS

- + 8-Port 10/100 Desktop Switch
- + Power Adapter
- + Wall Mount Kit
- + Rubber Feet