# D-Link®

# 8-PORT 10/100 SWITCH

### SILENT OPERATION
Fanless design provides noise-free operation

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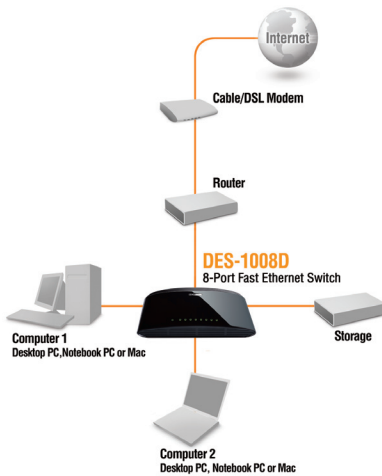
## FLOW CONTROL FOR SECURE TRANSMISSION
802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full. This gives you a more reliable connection for all of your connected devices.

WIRED | FAST ETHERNET

## 8-PORT 10/100 SWITCH
### DES-1008D

## 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.

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

POWER CONNECTOR
Connects to external power adapter

## YOUR NETWORK SETUP

Internet

Cable/DSL Modem

Router

**DES-1008D**
8-Port Fast Ethernet Switch

Computer 1
Desktop PC,Notebook PC or Mac

Storage

Computer 2
Desktop PC, Notebook PC or Mac

# 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

### NETWORK CABLES
- 10BASE-T:
  - UTP CAT 3/4/5/5e (100 m max.)
  - EIA/TIA-586 100-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
- 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

### 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

ACN 052 202 838

**WIRED** | **FAST ETHERNET**

*8-PORT 10/100 SWITCH*
*DES-1008D*