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.
**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**

![Network Setup Diagram]

**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/EIA-568 100-ohm STP (100 m max.)
- IEEE 802.3 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 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: 14,680 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

---

*Specifications are subject to change without notice.*

©2010 D-Link Corporation. All rights reserved.

Release 07 (May 2010)