

## Product Highlights

### High-speed Wired Connection

Connect up to eight Ethernet devices to enjoy a high-speed network connection

### Plug and Play

Auto MDI/MDIX simplifies cable connections, allowing for immediate usage and operation

### Compact Design

Stylish, compact design can be placed anywhere



## DES-1008A

# 8-Port 10/100 Switch

## Features

### Connectivity

- Eight Fast Ethernet LAN ports for high-speed wired connections
- IEEE802.3az EEE Power-saving compliance
- D-Link Green Technology features power-saving by link status and by cable length
- Auto-sensing ports automatically detect network connections and adjust accordingly

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

### Auto-sensing 10/100 Ports

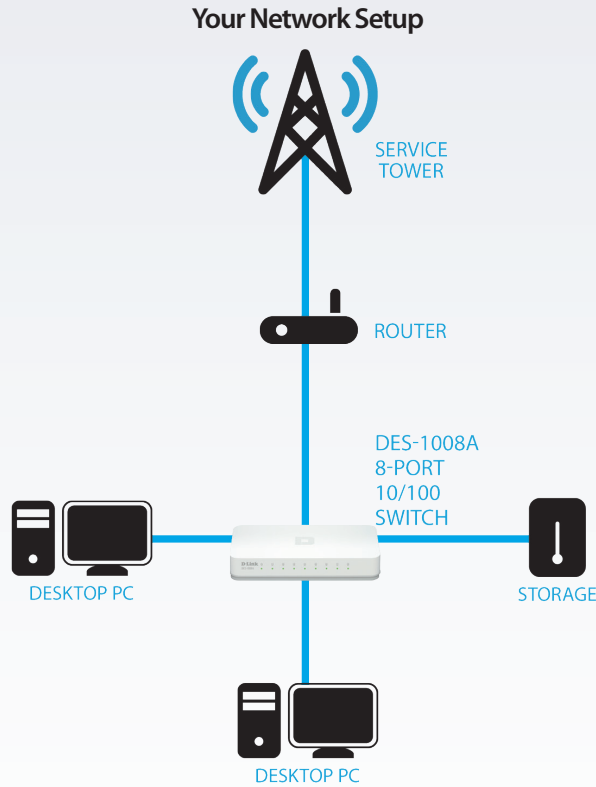
The D-Link DES-1008A 8-Port 10/100 Switch uses auto-sensing 10/100 Mbps ports, allowing a small workgroup to flexibly connect to Ethernet and Fast Ethernet devices to create an integrated network. These ports detect the network speed and auto-negotiate between 10BASE-T and 100BASE-TX, as well as between 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, ensuring smooth and uninterrupted network connection.



## Technical Specifications

### General

Device Interfaces	• Eight 10/100 Fast Ethernet LAN ports
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### Functionality

Advanced Features	<ul style="list-style-type: none"> <li>• Green Ethernet</li> <li>• 1.6 Gbps switching fabric</li> <li>• Auto MDI/MDIX crossover for all ports</li> <li>• Secure store-and-forward switching scheme</li> <li>• Compliance with IEEE802.3az EEE power saving</li> </ul>	<ul style="list-style-type: none"> <li>• Full/half-duplex for Ethernet/Fast Ethernet speeds</li> <li>• IEEE 802.3x Flow Control</li> <li>• Plug-and-play installation</li> <li>• RoHS compliant</li> <li>• Supports 2048-byte Jumbo Frames</li> </ul>
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Protocol	• CSMA/CD
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Data Transfer Rates	<ul style="list-style-type: none"> <li>• Ethernet: <ul style="list-style-type: none"> <li>• 10 Mbps (half duplex)</li> <li>• 20 Mbps (full duplex)</li> </ul> </li> <li>• Fast Ethernet: <ul style="list-style-type: none"> <li>• 100 Mbps (half duplex)</li> <li>• 200 Mbps (full duplex)</li> </ul> </li> </ul>
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Transmission Method	• Store-and-forward
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MAC Address Table	• 2K
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MAC Address Learning	• Automatic Update
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Packet Filtering/Forwarding Rates	• Ethernet: 14,880 pps per port	• Fast Ethernet: 148,800 pps per port
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RAM Buffer	• 96 KB per device
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### Physical

LED Indicators	• Per port: Link/Activity	• Per device: Power
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# DES-1008A 8-Port 10/100 Switch

Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
Dimensions	• 141.5 x 78.5 x 23.8 mm (5.57 x 3.09 x 0.94 inches)	
Power	• 5 V/0.55 A Power Adapter	
Heat Dissipation	• Power On (Standby): AC input:2.0472 Btu/h	• Maximum: AC input:7.47228 Btu/h
Power Consumption	• Power On (Standby): DC input: 0.36 watts, AC input: 0.6 watts	• Maximum: DC input: 1.78 watts, AC input: 2.19 watts • Link Up: EEE mode: DC input: 0.75 watts AC input: 1.1. watts
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -10 to 70 °C (14 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• 2,137,319 hours	
Certifications	• CE Class B • FCC Class B • cUL	• CB • VCCI Class B
<b>Order Information</b>		
<i>Part Number</i>	<i>Description</i>	
DES-1008A	8-Port 10/100 Switch	

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