

## Product Highlights

### High-Speed Networking

Fast Ethernet ports allow you to connect up to five or eight devices for fast file transfers and smooth media streaming

### Energy Efficient

Uses 802.3az Energy Efficient Ethernet to reduce power usage automatically without sacrificing performance

### Compact Design

Stylish, compact design allows you to place the switch in any convenient location with the ports tucked away at the rear



## DES-1005C/1008C

# 5/8-Port 10/100 Mbps Unmanaged Switch

## Features

### Fast Connectivity

- Five (DES-1005C) or eight (DES-1008C) Fast Ethernet LAN ports for high-speed wired connections
- Plug-and-play installation for convenience

### Energy Efficient and Eco-Friendly

- Reduces power to a port when no link to that port is detected
- Optimizes power usage for a port for the length of cable connected to it
- Energy efficient design reduces heat generated and allows switch to run silently

The DES-1005C and DES-1008C 10/100 Mbps Unmanaged Switches are economical, plug-and-play networking switch solutions for SOHO and small and medium businesses wanting to benefit from the increased bandwidth of Fast Ethernet. They provide five or eight 10/100 Mbps ports that enable you to easily expand your network and provide a quick way to upgrade your network to fast connectivity.

## Fast Networking Made Easy

With data transfer speeds of up to 200 Mbps at full duplex, these switches are ideal for quick file transfers, online gaming and smooth streaming media. They feature easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status. Auto MDI/MDIX crossover makes connection a cinch; just plug in your cables and you're ready to go.

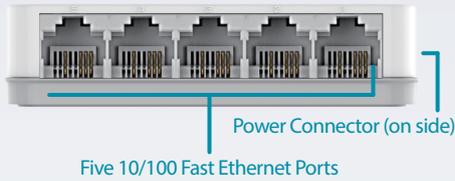
## Conserve Energy

The DES-1005C and DES-1008C implement 802.3az Energy Efficient Ethernet, which saves energy and reduces heat automatically without sacrificing performance or functionality. The switches can detect when a connected computer is shut down or when there is no Ethernet traffic, and will put the port in standby mode, saving a substantial amount of power. In addition, the switch optimizes power usage for each port for the length of cable connected to it, using only as much power as is required. Both of these features work together to help you save power automatically.

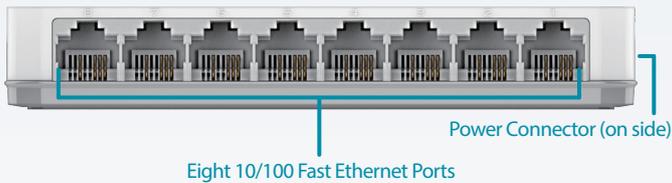
## Reliable Plug and Play Installation

The DES-1005C and DES-1008C are Plug-and-Play devices that require no configuration, so setup is simple and hassle-free, and you can easily connect multiple computers, share files, music, and video across your home or small office network, or even create a multiplayer gaming environment. 802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full, giving you a more reliable connection for all of your connected devices.

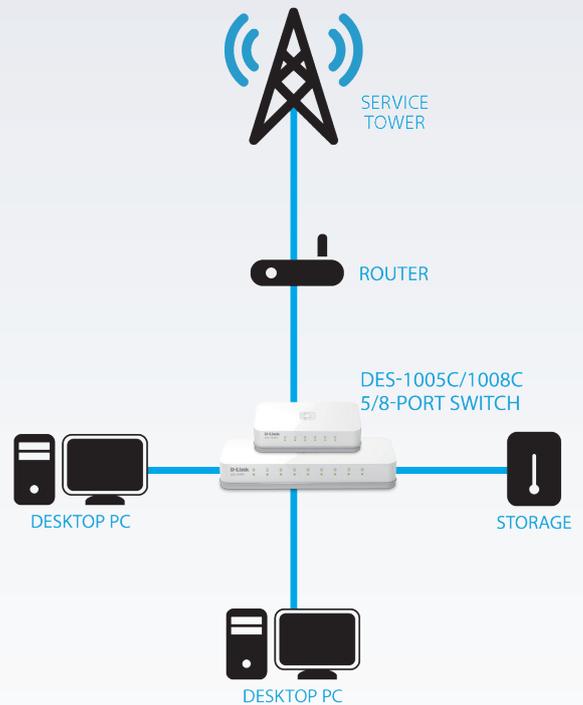
**DES-1005C**



**DES-1008C**



**Your Network Setup**



**Technical Specifications**

General	DES-1005C	DES-1008C
Device Interfaces	<ul style="list-style-type: none"> <li>• Five 10/100 Mbps LAN ports</li> </ul>	<ul style="list-style-type: none"> <li>• Eight 10/100 Mbps LAN ports</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T</li> <li>• IEEE 802.3u 100BASE-TX</li> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T</li> <li>• IEEE 802.3u 100BASE-TX</li> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> </ul>
Functionality	DES-1005C	DES-1008C
Switching Capacity	<ul style="list-style-type: none"> <li>• 1 Gbps switching fabric</li> </ul>	<ul style="list-style-type: none"> <li>• 1.6 Gbps switching fabric</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• Auto MDI/MDIX crossover for all ports</li> <li>• Secure store-and-forward switching scheme</li> <li>• Full/half-duplex for Ethernet/Fast Ethernet speeds</li> <li>• Supports 2,048 byte jumbo frames</li> <li>• Back pressure at half-duplex operation</li> <li>• Wire-speed reception and transmission</li> <li>• Store and-Forward switching method</li> <li>• Auto-negotiation for each port</li> <li>• EEE compliant IEEE 802.3 10BASE-T</li> <li>• IEEE 802.3u 100BASE-TX</li> <li>• IEEE 802.3az EEE</li> <li>• IEEE 802.3x flow control</li> </ul>	<ul style="list-style-type: none"> <li>• Auto MDI/MDIX crossover for all ports</li> <li>• Secure store-and-forward switching scheme</li> <li>• Full/half-duplex for Ethernet/Fast Ethernet speeds</li> <li>• Supports 2,048 byte jumbo frames</li> <li>• Back pressure at half-duplex operation</li> <li>• Wire-speed reception and transmission</li> <li>• Store and-Forward switching method</li> <li>• Auto-negotiation for each port</li> <li>• EEE compliant IEEE 802.3 10BASE-T</li> <li>• IEEE 802.3u 100BASE-TX</li> <li>• IEEE 802.3az EEE</li> <li>• IEEE 802.3x flow control</li> </ul>
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>	<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>
Transmission Method	<ul style="list-style-type: none"> <li>• Store-and-forward</li> </ul>	<ul style="list-style-type: none"> <li>• Store-and-forward</li> </ul>
MAC Address Table Size	<ul style="list-style-type: none"> <li>• 2,000</li> </ul>	<ul style="list-style-type: none"> <li>• 2,000</li> </ul>

## 5/8-Port 10/100 Mbps Unmanaged Switch

Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> <li>Ethernet: 14,880 pps per port</li> <li>Fast Ethernet: 148,800 pps per port</li> </ul>	<ul style="list-style-type: none"> <li>Ethernet: 14,880 pps per port</li> <li>Fast Ethernet: 148,800 pps per port</li> </ul>
RAM Buffer	<ul style="list-style-type: none"> <li>96 KB per device</li> </ul>	<ul style="list-style-type: none"> <li>96 KB per device</li> </ul>
<b>Physical</b>	<b>DES-1005C</b>	<b>DES-1008C</b>
LED Indicators	<ul style="list-style-type: none"> <li>Per port: Link/Activity/Speed</li> <li>Per device: Power</li> </ul>	<ul style="list-style-type: none"> <li>Per port: Link/Activity/Speed</li> <li>Per device: Power</li> </ul>
Media Interface Exchange	<ul style="list-style-type: none"> <li>Auto MDI/MDIX adjustment for all ports</li> </ul>	<ul style="list-style-type: none"> <li>Auto MDI/MDIX adjustment for all ports</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>88 x 48 x 21.45 mm (3.46 x 1.89 x 0.84 inches)</li> </ul>	<ul style="list-style-type: none"> <li>131 x 54 x 21 mm (5.16 x 2.13 x 0.83 inches)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>43.4 grams (1.6 ounces)</li> </ul>	<ul style="list-style-type: none"> <li>74.8 grams (2.63 ounces)</li> </ul>
Power	<ul style="list-style-type: none"> <li>DC 5 V / 0.55 A</li> <li>DC jack: Located on side</li> </ul>	<ul style="list-style-type: none"> <li>DC 5 V / 0.55 A</li> <li>DC jack: Located on side</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>Power On (Standby): 0.4 watts</li> <li>Maximum: 0.784 watts</li> </ul>	<ul style="list-style-type: none"> <li>Power On (Standby): 0.55 watts</li> <li>Maximum: 1.55 watts</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating: 0 to 40 °C (32 to 104 °F)</li> <li>Storage: -40 to 70 °C (-40 to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 0 to 40 °C (32 to 104 °F)</li> <li>Storage: -40 to 70 °C (-40 to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>Operating: 10% to 90% non-condensing</li> <li>Storage: 5% to 95% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 10% to 90% non-condensing</li> <li>Storage: 5% to 95% non-condensing</li> </ul>
MTBF	<ul style="list-style-type: none"> <li>1,785,631 hours</li> </ul>	<ul style="list-style-type: none"> <li>1,579,582 hours</li> </ul>
Maximum Heat Dissipation	<ul style="list-style-type: none"> <li>0.406 BTU/h</li> </ul>	<ul style="list-style-type: none"> <li>0.691 BTU/h</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>CE Class B</li> <li>CE (LVD 2006/95/EC)</li> </ul>	<ul style="list-style-type: none"> <li>CE Class B</li> <li>CE (LVD 2006/95/EC)</li> </ul>
<b>Order Information</b>		
<i>Part Number</i>	<i>Description</i>	
DES-1005C	5-Port 10/100 Mbps Unmanaged Switch	
DES-1008C	8-Port 10/100 Mbps Unmanaged Switch	

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