

## 5-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 can be placed anywhere



### AUTO-SENSING 10/100 PORTS

The DES-1005A 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

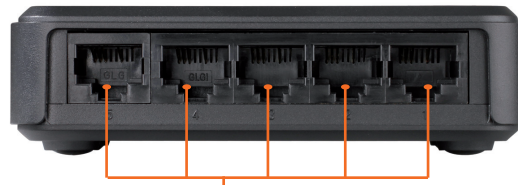
All ports support automatic MDI/MDIX crossover, eliminating the need for crossover cables or uplink ports. Each port can be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables.

### 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.

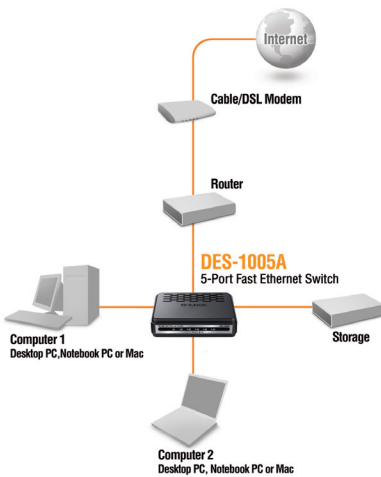
## WHAT THIS PRODUCT DOES

The DES-1005A 5-Port 10/100 Mbps Switch is a 5-port 10/100 Mbps Fast Ethernet switch that allows you to quickly set up a wired network. Connect the DES-1005A to multiple computers to share files and folders, or connect it to a router to share an Internet connection.



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

## YOUR NETWORK SETUP



## TECHNICAL SPECIFICATIONS

### KEY FEATURES

- Inexpensive Fast Ethernet solution for Home/SOHO
- Five 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 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

- 48KBytes per device

### DC INPUT

- External 5V/1A power adapter

### POWER CONSUMPTION

- Power On (Standby):
  - DC input: 0.55 watts
  - AC input: 1.36 watts
- Maximum:
  - DC input: 2.65 watts
  - AC input: 3.44 watts

### HEAT DISSIPATION

- Power On (Standby):
  - AC input: 4.64 BTU/h
- Maximum:
  - AC input: 10.06 BTU/h

### OPERATING TEMPERATURE

- 0 to 40 °C (32 to 104 °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)

- 97 x 79 x 28 mm (3.8 x 3.1 x 1.1 inches)

### CERTIFICATIONS

- FCC Class B
- CE Class B
- CB
- CCC



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