



## 5-PORT 10/100 SWITCH

### SILENT OPERATION

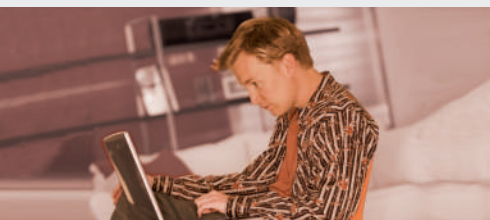
Fanless design provides noise-free operation

### PLUG AND PLAY

Auto MDI/MDIX simplifies cable connections

### COMPACT DESIGN

Stylish, compact design allows switch to be placed anywhere



### AUTO-SENSING 10/100 PORTS

The DES-1005D 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.

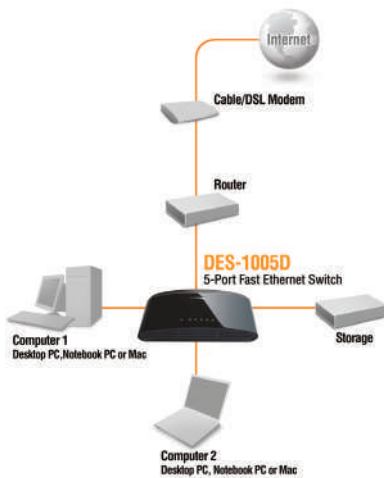
### FLOW CONTROL FOR SECURE TRANSMISSION

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-1005D 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-1005D to multiple computers together to share files and folders, or connect it to a router to share an Internet connection.

### YOUR NETWORK SETUP



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

POWER CONNECTOR  
Connects to external power adapter

### TECHNICAL SPECIFICATIONS

#### KEY FEATURES

- Inexpensive Fast Ethernet solution for Home/SOHO
- 5 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

- 1.0 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-568 100-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

- 64 KBytes per device

#### DC INPUT

- External 5V/1.2A power adapter

#### POWER CONSUMPTION

- Power On (Standby):
  - DC input: 0.6 watts
  - AC input: 1.8 watts
- Maximum:
  - DC input: 1.9 watts
  - AC input: 3.8 watts

#### HEAT DISSIPATION

- Power On (Standby):
  - AC input: 6.138 BTU/h
- Maximum:
  - AC input: 12.958 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)

- 125.3 x 83.4 x 29.1 mm  
(5.0 x 3.3 x 1.2 inches)

#### CERTIFICATIONS

- FCC Class B
- ICES-003 Class B
- CE Class B
- C-Tick Class B
- VCCI Class B
- cUL
- CB



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