



5-PORT 10/100 DESKTOP SWITCH

Fanless design provides noise-free operation

Auto MDI/MDIX simplifies cable connections

Stylish, compact design allows switch to be placed anywhere



AUTO-SENSING 10/100 PORTS

The DES-1005E 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.

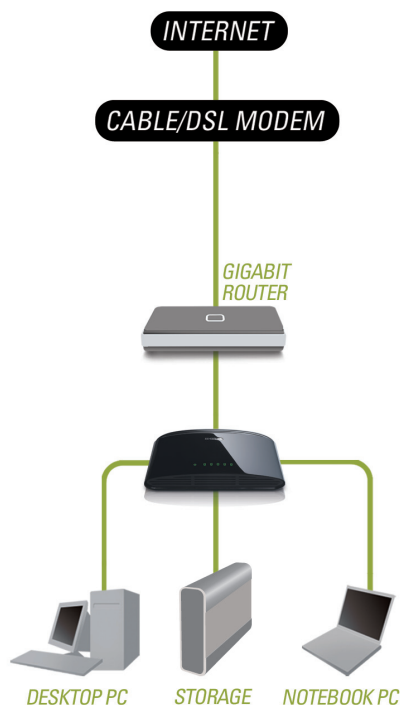
FLOW CONTROL FOR SECURE TRANSMISSION

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

YOUR NETWORK SETUP



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: 1.4 watts
- + Maximum:
 - DC input: 3.3 watts
 - AC input: 5.2 watts

HEAT DISSIPATION

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

TEMPERATURE

- + Operating: 0 to 50 °C (32 to 122 °F)
- + Storage: -10 to 70 °C (14 to 158 °F)

HUMIDITY

- + Operating: 10% to 90% RH Non-Condensing
- + Storage: 5% to 90% RH Non-Condensing

DEVICE DIMENSIONS(W X D X H)

- + 5.0" x 3.3" x 1.2" (125.3 x 83.4 x 29.1 mm)

CERTIFICATIONS

- + FCC class B
- + ICES-003 class B
- + CE class B
- + C-tick class B
- + VCCI class B
- + cUL
- + CB

MTBF

- + 856,532 hours

WARRANTY

- + Limited Lifetime¹

¹ Limited Lifetime Warranty available only in the USA and Canada. Visit www.dlink.com for warranty details.

All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein. See inside package for warranty details. Latest software and documentation are available at <http://www.dlink.com/support/>

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MINIMUM SYSTEM REQUIREMENTS

- + Devices Supporting 802.3 Ethernet or 802.3u fast Ethernet
- + CAT5 Ethernet Cable
- + Network Interface Card for each computer

PACKAGE CONTENTS

- + 5-Port 10/100 Desktop Switch
- + Power Adapter
- + Rubber Feet
- + Wall Mount Kit