D-Link®

10/100 Fast Ethernet Switch — DES-1005A

1 2 3 4 5 — Link/ Act

5-PORT 10/100 SWITCH

SILENT OPERATION	PLUG AND PLAY	COMPACT DESIGN
Fanless design provides noise-free operation	Auto MDI/MDIX simplifies cable connections	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.
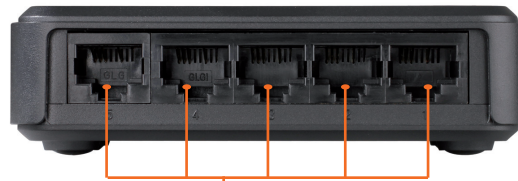
AUTO MDI/MDIX CROSSOVER

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.

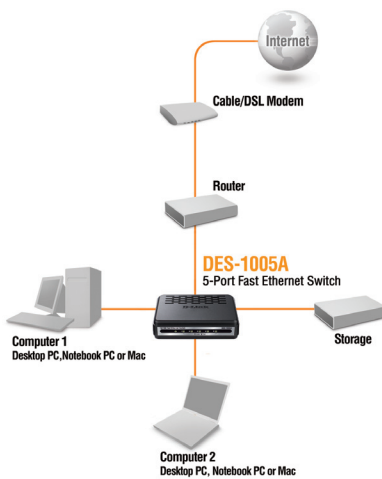WIRED | FAST ETHERNET

5-PORT 10/100 SWITCH
DES-1005A

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

Internet

Cable/DSL Modem

Router

DES-1005A
5-Port Fast Ethernet Switch

Computer 1
Desktop PC,Notebook PC or Mac

Storage

Computer 2
Desktop PC, Notebook PC or Mac

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: 0.45 watts
  - AC input: 1.25 watts
- Maximum:
  - DC input: 2.46 watts
  - AC input: 3.5 watts

HEAT DISSIPATION
- Power On (Standby):
  - AC input: 4.26 BTU/h
- Maximum:
  - AC input: 11.945 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
- uUL
- C-Tick Class B
- CB

ACN 052 202 838