dlink green



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 5-Port 10/100 Switch 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.

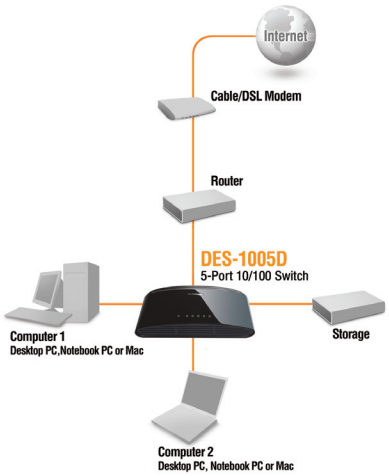
FLOW CONTROL FOR SECURE TRANSMISSION

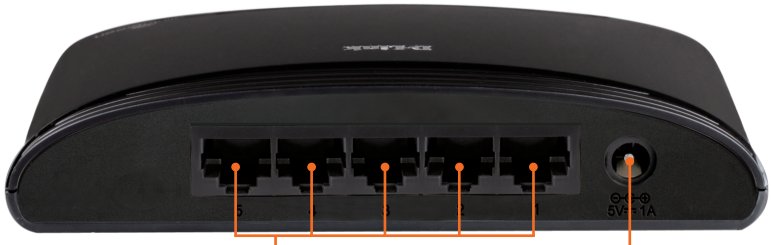
802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full. This gives you a more reliable connection for all of your connected devices.

WHAT THIS PRODUCT DOES

The DES-1005D 5-Port 10/100 Switch is a five port 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
- 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
- 1.0 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-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
- 48 KB per device

DC INPUT
- External 5 V / 1 A power adapter

POWER CONSUMPTION
- Power On (Standby):
  - DC input: 0.4 watts
  - AC input: 0.9 watts
- Maximum:
  - DC input: 2.18 watts
  - AC input: 2.5 watts

HEAT DISSIPATION
- Power On (Standby):
  - AC input: 2.728 BTU/h
- Maximum:
  - AC input: 8.528 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

ACN 052 202 838

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