



DES-1005D

DES-1005D switch provides 5 auto-sensing 10/100Mbps ports in a palm-sized box. The switch allows mix and match of Ethernet and Fast Ethernet in full- and half-duplex modes.

5-Port 10/100Mbps Switch for SOHO

The DES-1005D is an unmanaged 10/100Mbps switch designed to enhance small workgroup performance while providing a high level of flexibility. Powerful yet easy to use, this device allows users to simply plug any port to either a 10Mbps or 100Mbps network to multiply bandwidths, boost response time and satisfy heavy load demands.

5 Auto-sensing 10/100Mbps Ports

The switch comes with 5 10/100Mbps ports, allowing a small workgroup to flexibly connect to Ethernet and Fast Ethernet and integrate. These intelligent ports detect the network speed and auto-negotiate between 10BASE-TX and 10BASE-T, as well as between full- and half-duplex.

Flow Control for Secure Transmission

All ports support 802.3x flow control. This function minimizes dropped packets by sending out collision signals when the port's receiving buffer is full. Flow control is available in the full-duplex mode.

Auto-negotiation of MDI/MDIX Cross Over

All ports support auto-negotiation of MDI/MDIX cross over. This eliminates the need for cross over cables or uplink ports. Any port can simply plug to a server, a hub or a switch, using the usual straight-through twisted-pair cable.

SOHO Plug-and-Play

With 5 plug-and-play ports, the switch is a perfect choice for the small workgroup to upgrade performance in a client/server environment. The ports can be connected to servers in full-duplex, or hubs in half-duplex.

Desktop Power

With low-cost connection per-port, the switch can also be set up for direct connection from the PCs. This relieves data bottleneck by giving each workstation a dedicated bandwidth on the network.

10/100Mbps Network Kit

For network starters, a convenient kit is available for ready installation. This kit includes a DES-1005D switch, 2 10/100Mbps Fast Ethernet PCI cards, and 2 6-meter (20-foot) UTP cables.

Features

- 5 10/100Mbps ports
- Per-port auto MDI/MDIX
- All ports support full/half-duplex, network speed auto-negotiation
- Per-port 802.3x flow control for protection against data loss
- Auto-learning of network configuration
- Secure store-and-forward switching scheme
- Auto-correction of reverse twisted-pair polarity
- Compact palm-sized

DES-1005D

Technical Specifications

10/100Mbps Unmanaged Switch

General

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- IEEE 802.3x Flow Control

Protocol

CSMA/CD

Data Transfer Rates

- Ethernet:
 - 10Mbps (half-duplex)
 - 20Mbps (full-duplex)
- Fast Ethernet:
 - 100Mbps (half-duplex)
 - 200Mbps (full-duplex)

Topology

Star

Network Cables

- 10BASE-T:
 - 2-pair UTP Cat. 3 (100 m)
 - 4-pair UTP Cat. 4, 5 (100 m)
 - EIA/TIA-568 150-ohm screened twisted-pair (STP) (100 m)
- 100BASE-TX:
 - 4-pair UTP Cat. 5 (100 m)
 - EIA/TIA-568B 150-ohm screened twisted-pair (STP) (100 m)

Number of Ports

10/100Mbps port x 5

Twisted-pair Rx Reverse Polarity

Auto-correction

LED Report

Per device:

- Power

Per port:

- 10Mbps Link/Activity, 100Mbps Link/Activity
- Full-duplex 10/100Mbps, Collision 10/100Mbps

Performance

Transmission Method

Store-and-forward

Filtering Address Table

2K entries per device

MAC Address Learning

Automatic update

Buffer Memory

1Mbits per device

Packet Filtering Rates

- 10BASE-T: 14,880 pps per port (half-duplex)
- 100BASE-TX: 148,800 pps per port (half-duplex)

Packet Forwarding Rates

- 10BASE-T: 14,880 pps per port (half-duplex)
- 100BASE-TX: 148,800 pps per port (half-duplex)

Physical & Environmental

Power Input

DC 7.5V/1A

Through external AC power adapter

Power Consumption

3.6 watts (max.)

Operating Temperature

0° - 50°C

Storage Temperature

-10° - 70°C

Operating Humidity

10% - 90%

Storage Humidity

5% - 90%

Dimensions

142 x 108 x 32 mm

Emission (EMI)

- FCC Class B
- CE Mark
- VCCI Class B



Ordering Information

Ethernet/Fast Ethernet Switch

DES-1005D 5 10/100Mbps ports

Please specify one of the following after the model number. If nothing is specified, a 120VAC American standard UL/CSA approved AC power adapter will be included.

- /U Includes no AC power adapter
- /A Includes a US standard AC power adapter
- /E Includes an EU standard AC power adapter
- /B Includes a UK standard AC power adapter
- /N Includes an Australia standard AC power adapter

10/100Mbps Network Kit

- DFE-910/A** Includes 2 DFE-528TX, 1 DES-1005D/A, 2 6-meter (20-foot) UTP cables
- DFE-910/B** Includes 2 DFE-528TX, 1 DES-1005D/B, 2 6-meter (20-foot) UTP cables
- DFE-910/E** Includes 2 DFE-528TX, 1 DES-1005D/E, 2 6-meter (20-foot) UTP cables
- DFE-910/N** Includes 2 DFE-528TX, 1 DES-1005D/N, 2 6-meter (20-foot) UTP cables

D-Link®

Specifications subject to change without prior notice.
D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

U.S.A.	TEL: 1-949-788-0805	FAX: 1-949-753-7033
Canada	TEL: 1-905-829-5033	FAX: 1-905-829-5095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
U.K.	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-61- 96779900	FAX: 49-61-967799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-204-5740	FAX: 31-10-204-5880
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8-564-61900	FAX: 46-(0)8-564-61901
Norway	TEL: 47-22-991890	FAX: 47-22-205700
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-010-8518-2533	FAX: 86-010-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 202-6356176	FAX: 202-6356192
South America	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)126652165	FAX: 27(0)126652186
Russia	TEL: 7-095-737-3389	FAX: 7-095-737-3390
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



RECYCLABLE
Rev. 04 (Oct. 2002)
Printed in Taiwan