DES-105

High Performance:
- 1 Gbps Switching Capacity
- Metal Casing
- Non-blocking / Wire Speed Architecture
- 1K MAC Address Table
- Nway Auto Negotiation
- 802.3x Flow Control Support
- Store and Forward Switching
- No Fan - Quiet Operation
- Wall mountable / portable
- Small Footprint

Operational Simplicity:
- True Plug & Play
- Auto Crossover Cable Detection
- Auto Speed and Duplex Mode
- Per Port LED indicators

Advanced Standards Based Enterprise Features:
- Support for Industry Standards
- Free Technical Support
- 5-Year Product Warranty

Layer 2 Switch
Unmanaged 5-Port 10/100BASE-TX

The D-Link DES-105 is a 5-port, Fast Ethernet desktop switch for the SMB and enterprise seeking a metal housed, Plug-and-Play solution capable of providing reliable connectivity for network users. The DES-105 delivers power, performance, and reliability in one cost-effective, space-saving design. The metal exterior provides a durable alternative to plastic enclosures. This makes the DES-105 a perfect solution for installation in locations such as a warehouse, automotive garage, wiring or Telco closet. In addition, the sleek and polished design of the DES-105 adds a level of sophistication to the SMB and Enterprise network seeking to maintain the look and feel of their network all the way to the desktop.

Switching Features

The DES-105 supports full duplex operation on all 5 interfaces for up to 200Mbps per port, and a combined switching capacity of up to 1Gbps. Per-Port color LEDs clearly indicate link status and port speed for quick diagnostic and troubleshooting. It features a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput. The DES-105 combines dynamic memory allocation with store-and-forward switching to ensure that the buffer is effectively allocated for each port; and controls the data flow to guarantee against possible packet loss. The DES-105 is scalable, allowing two or more units to be cascaded together. Since all ports support 200Mbps, any one of its five ports may be used to cascade to an additional switch to open a Full-Duplex Fast Ethernet pipe. Additionally, the DES-105 supports 802.3x Flow Control to minimize dropped packets through the sending out of collision signals when the port's receiving buffer is full.

The DES-105 is compact and portable. With its small footprint, the DES-105 can fit in almost any location making it the perfect solution for implementations where space is limited. In addition the DES-105 is wall mountable, providing even more flexibility for mounting under a desk or in a small wiring cabinet. Ambient noise is never a concern with the DES-105. With no need for cooling fans, the DES-105 runs quietly and unnoticed, making implementations where low decibel operation is required simple and worry free.

Easy to Install and Maintain

The auto features of this switch make installation plug and play and hassle-free. No configuring is required. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Crossover or straight-through CAT5 cables can be plugged into any port. Auto-negotiation on each port senses the link speed of a network device (10 or 100Mbps) and intelligently adjusts for compatibility and optimal performance providing an automatic and flexible solution for the network.

D-Link
Building Networks for People

Technical Specifications

Product specifications

DES-105	Unmanaged 5-Port 10/100Mbps Switch
MAC Address Table Size	1K
Switch Fabric	1Gbps Forwarding Capacity
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power
	Per Port: Activity/Link
Packet Buffer Memory	On Chip 64Kbyte Buffer Memory Per Device
Forwarding Rate	10Mbps- 14,880pps/100Mbps- 148,810pps
Address Aging Timer	Automatic Update
Max Power Consumption	1.2 Watts (Max)

Interface Options

RJ-45	10BASE-T, 100BASE-TX Universal UTP Cable Recognition for Straight-Through or Crossover Cables (MDI/MDI-X)

Network Protocols and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control

Electrical & Emissions Summary

Emissions	FCC Class B, CE Class B, VCCI Class B
Power Supply	DC 7.5V / 1A External

Safety Agency Certifications and Environmental

Safety	CSA International

Physical Specifications

Dimensions (W x H x D)	4.9 x 2.9 x 1.2 in (124 x 73 x 30 mm)
Temperature	Operating: 0° ~ 40° C (32º to 104º F)
	Storage: -10° ~ 70° C (14ºto 158º F)
Humidity	Operating: 10% ~ 90% RH, Non-condensing
	Storage: 5% ~ 90% RH, Non-condensing

Warranty and Support Information

Warranty	5-Year Warranty
Support	Free Technical Support

Ordering Information

Part Number	Description
DES-105	Unmanaged 5-Port 10/100Mbps Switch