



Product Highlights

Eco-Friendly

Innovative design runs quiet, cool, and clean, saving power automatically

Silent Operation

Fanless design provides noise free operation

Intelligent Data Streaming

QoS support enables clear VoIP calls



DES-105 & DES-108

5/8 Port Unmanaged 10/100 Switch

Key Features

- Inexpensive Fast Ethernet solution for SOHO, small and medium businesses.
- Five/Eight 10/100 Mbps Fast Ethernet ports
- Rugged Metal Housing
- 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
- Supports Jumbo Frames
- Supports 802.1p QoS
- RoHS compliant
- Plug-and-play installation

Overview:

The DES-105/DES-108 Unmanaged 10/100 Switch provides a quick, easy and economical way to add high speed networking to home offices, small and medium businesses. With data transfer speeds of upto 200 Mbps the DES-105/DES-108 is ideal for fast file transfers. It provides five or eight ports for easy expansion of your network for connecting printers, scanners, storage, and backup devices to any network.

Effortless High Speed Networking

Features easy access auto sensing 10/100 front Ethernet ports with two LED indicators per port to quickly distinguish link status and speed. The DES-105/DES-108 switch also supports Auto MDI/MDIX Crossover allowing each port to be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables. Support for IEEE 802.1p QoS is included, which organizes and prioritizes time-sensitive and important data for efficient delivery.

Think Green

The DES-105/DES-108 is a plug-and-play networking switch that offers D-Link's Green Technology to save energy and reduce heat, which in turn extends product life without sacrificing performance or functionality. The switch supports IEEE 802.3az Energy-Efficient Ethernet (EEE) which detects when a connected computer is shut down or when there is no Ethernet traffic, at which time the switch will automatically power down the idle port, saving a substantial amount of power.



DES-105 & DES-108 5/8 Port Unmanaged 10/100 Switch

IEEE 802.1p QoS

QoS prioritizes network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.

Environmentally Friendly

The DES-105/DES-108 switch was designed with the environment in mind. It is compliant with Energy Star Level V, CEC, and MEPS regulations which require the use of energy efficient power adapters. It is built to comply with RoHS standards to minimize use of hazardous materials and is packaged with an EnergyStar Level V qualified power adapter all with recyclable packaging making this product truly environmental friendly.

Technical Specifications

DES-105

DES-108



Switching Fabric

• 1.0 Gbps

• 1.6 Gbps

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
• IEEE 802.1p QoS
• IEEE 802.3az Energy-Efficient Ethernet (EEE)

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

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.)

Media Interface Exchange

• Auto MDI/MDIX adjustment for all ports

LED Indicators

• Per port: Link/Activity

• Per device: Power

Transmission Method

• Store-and-forward

MAC Address Table

• 2K

• 1K

MAC Address Learning

• Automatic update

Packet Filtering/Forwarding Rates

• Ethernet: 14,880 pps per port

• Fast Ethernet: 148,800 pps per port

RAM Buffer

• 384 KBytes per device

• 768 KBytes per device

Jumbo Frames

• 2047 Bytes

• 1536 Bytes

QoS

• 2 Queues, strict mode

• 2 Queues, WRR mode

DES-105 & DES-108 5/8 Port Unmanaged 10/100 Switch

General Specifications		
DC Input	• External 5 V/1 A Level “V” Power Adapter	
Power Consumption	• Power On (Standby): - DC input: 0.5 watts - AC input: 1.0 watts • Maximum: - DC input: 2.01 watts - AC input: 3.10 watts	• Power On (Standby): - DC input: 0.55 watts - AC input: 1.0 watts • Maximum: - DC input: 2.8 watts - AC input: 4.5 watts
Heat Dissipation	• Power On (Standby) AC input: 3.41 BTU/h • Maximum DC input: 6.854 BTU/h	• Power On (Standby) AC input: 3.41 BTU/h • Maximum DC input: 9.548 BTU/h
MTBF	• 495,709 hours	• 511,323 hours
Operating Temperature	• 32 to 122 °F (0 to 50 °C)	
Storage Temperature	• 14 to 158 °F (-10 to 70 °C)	
Operating Humidity	• 10% to 90% RH non-condensing	
Storage Humidity	• 5% to 90% RH non-condensing	
Dimensions	• 3.9 x 3.8 x 1.1 inches (100 x 98 x 28 mm)	• 6.3 x 4.0 x 1.1 inches (162 x 102 x 28 mm)
Weight	• 9.35 ounces (265 grams)	• 14.53 ounces (412 grams)
Certifications	• FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B	• VCCI Class B • cUL • CB
Warranty		
Warranty	• Limited Lifetime ¹	
Order Information		
Part Number	Description	
DES-105	5-Port Unmanaged 10/100 Switch	
DES-108	8-Port Unmanaged 10/100 Switch	

¹Limited Lifetime Warranty available only in the USA and Canada. 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.

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DES-105



DES-108



For more information

D-Link Systems, Inc. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | dlink.com

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