



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 10/100 Unmanaged Metal Desktop Switch

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 5/8 Port 10/100 Unmanaged Metal Desktop 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.

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 Capacity	• 1.0 Gbps	• 1.6 Gbps
Standards	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Protocol	• CSMA/CD	
Data Transfer Rates	<ul style="list-style-type: none"> • Ethernet: - 10 Mbps (half duplex) - 20 Mbps (full duplex) 	<ul style="list-style-type: none"> • Fast Ethernet: - 100 Mbps (half duplex) - 200 Mbps (full duplex)
Network Cables	<ul style="list-style-type: none"> • 10BASE-T: - UTP CAT 3, 4, 5/5e (100 m max.) - EIA/TIA-586 100-ohm STP (100 m max.) 	<ul style="list-style-type: none"> • 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	• 2048 Bytes	
QoS	• 4 Queues, strict mode	

DES-105 & DES-108

5/8 Port 10/100 Unmanaged Metal Desktop Switch

General Specifications		
DC Input	• External 5 V/0.55 A Level "V" Power Adapter	
Power Consumption	<ul style="list-style-type: none"> • Power On (Standby): DC input: 0.15 watts AC input: 0.25 watts • Maximum: DC input: 0.85 watts AC input: 2.17 watts 	<ul style="list-style-type: none"> • Power On (Standby): DC input: 0.25 watts AC input: 0.3 watts • Maximum: DC input: 1.3 watts AC input: 2.4 watts
Heat Dissipation	<ul style="list-style-type: none"> • Power On (Standby) AC input: 0.853 BTU/h • Maximum DC input: 2.9002 BTU/h 	<ul style="list-style-type: none"> • Power On (Standby) AC input: 1.0236 BTU/h • Maximum DC input: 4.4356 BTU/h
MTBF	• 1,398,635 hours	• 863,878 hours
Operating Temperature	• 32 to 104 °F (0 to 40 °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 x 1.1 inches (162 x 102 x 28 mm)
Weight	• 0.57 lbs (256 grams)	• 0.90 lbs (412 grams)
Certifications	<ul style="list-style-type: none"> • FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B 	<ul style="list-style-type: none"> • VCCI Class B • cUL • CB
Warranty		
Warranty	• Limited Lifetime ¹	
Ordering Information		
<i>Part Number</i>	<i>Description</i>	
DES-105	5-Port 10/100 Unmanaged Metal Desktop Switch	
DES-108	8-Port 10/100 Unmanaged Metal Desktop Switch	

¹Limited Lifetime Warranty available only in the USA. 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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For more information

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