

Product Highlights

Reliable Connections

Fast Ethernet ports allow you to connect five or eight devices with reliable transmission quality for file transfers

Flow Control

802.3 flow control and back pressure to enhance network efficiency and reduce congestion

Eco-Friendly and Economical

D-Link Green Technology saves energy while using an economical yet innovative design that runs cool and quiet



DES-105/108

5/8-Port Fast Ethernet Unmanaged Switch

Features

Reliable Connectivity

- Five (DES-105) or eight (DES-108) Fast Ethernet LAN ports for reliable wired connections
- Plug-and-play installation for convenience

Green Ethernet Features

- Reduces power to a port when no activity is detected
- Compliant with IEEE 802.3az EEE standards

Eco-Friendly Design

- Compliant with Level VI power efficiency
- Compliant with RoHS standards

The DES-105 5-port and DES-108 8-port Fast Ethernet Unmanaged Switches are an economical, plug-and-play networking solution for SOHO and small-to-medium-sized businesses with five or eight 10/100Mbps ports and compliance with IEEE 802.3az EEE standards, allowing you to easily expand your network in a most energy efficient way with reliable connectivity and versatile functionality.

Integrated Network

The DES-105/DES-108 5/8-Port Fast Ethernet Unmanaged 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.

Simplified Installation

All of the ports on the DES-105/108 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 Ethernet cables. In addition, the DES-105/108 features multiple front, easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status

Flow Control and Energy Efficiency

When a port reaches its receiving buffer capacity, the 802.3x flow control will be activated to ensure the transmission quality and provide reliable connection while web surfing or file transfers. The DES-105/DES-108 switch complies with IEEE 802.3az Energy Efficient Ethernet standards, which can detect and provide optimal power to active connections, or power down an idle port to connected computers if they are inactive to help save a substantial amount of power.

Technical Specifications

General		
Device Interfaces	• DES-105: 5 x Fast Ethernet LAN ports	• DES-108: 8 x Fast Ethernet LAN ports
Standards	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX	• IEEE 802.3x flow control • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Functionality		
Advanced Features	<ul style="list-style-type: none"> • 1/1.6 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • 2,048-byte maximum packet length • Back pressure at half-duplex operation • Wire-speed reception and transmission 	<ul style="list-style-type: none"> • Store-and-forward switching method • Auto-negotiation for each port • RoHS compliant • IEEE 802.3az EEE • IEEE 802.3x flow control
Data Transfer Rates	<ul style="list-style-type: none"> • Ethernet: <ul style="list-style-type: none"> • 10 Mbps (half duplex) • 20 Mbps (full duplex) 	<ul style="list-style-type: none"> • Fast Ethernet: <ul style="list-style-type: none"> • 100 Mbps (half duplex) • 200 Mbps (full duplex)
Transmission Method	Store-and-forward	
MAC Address Table	2 K	
MAC Address Learning	Automatic update	
Packet Filtering/Forwarding Rates	• Ethernet: 14,880 pps per port	• Fast Ethernet: 148,800 pps per port
Physical		
LED Indicators	• Per port: Link/Activity/Speed	• Per device: Power
Media Interface Exchange	Auto MDI/MDIX adjustment for all ports	
Dimensions	• DES-105: 82.6 x 51.4 x 22.4 mm	• DES-108: 126.1 x 56.5 x 22.4 mm
Weight	• DES-105: 120.7 g	• DES-108: 187 g
Power	5V/0.55A	
Power Consumption	DES-105: <ul style="list-style-type: none"> • Power On (Standby): 0.15 W • Maximum: 0.97 W 	DES-108: <ul style="list-style-type: none"> • Power On (Standby): 0.325 W • Maximum: 1.5 W
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	<ul style="list-style-type: none"> • FCC Class B • CE Class B 	• ICES-003 Class B
Order Information		
<i>Part Number</i>	<i>Description</i>	
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