D-Link®

Product Highlights

High-speed Networking

Fast Ethernet ports allow you to expand your network and connect all your devices for quick file transfers and smooth media streaming.

Plug-and-play Installation

Requires no configuration or software. Installation is simple and easy.

Built to Last

Rugged metal housing, desktop or rackmountable, reliability that businesses demand.

DES-1024D

24-Port 10/100 Unmanaged Desktop or Rackmount Switch

Features

Green features
- RoHS compliant

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

Versatile Support
- Plug-and-play installation
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control

With the D-Link 24-Port 10/100 Unmanaged Desktop or Rackmount Switch, you can easily expand your business or home network by adding more computers and devices, each achieving speeds up to 200 Mbps per port in full-duplex mode. Quickly and securely connect employees working in small offices with one another and all of the servers, printers, and other devices they use. High performance and reliable connectivity help speed file transfers and data processing, improve network uptime, and keep your employees connected and productive.

Expand and Upgrade Your Network

The DES-1024D offers an economical way for SOHO and small to medium businesses (SMB) to benefit from high-speed networking. It provides twenty-four ports for easy expansion of your network and a quick way to upgrade your network to Fast Ethernet connectivity.

Easy to Install and Use

The DES-1024D does not require any configuration or software, making installation simple and hassle-free. With Auto-MDI/MDI-X support, there is no need for crossover cables when you are connecting to another switch or to a computer. Additionally, the DES-1024D will automatically sense if the connected network devices are running at 10Mbps or 100Mbps and adjust accordingly. Equipped with a comprehensive LED display, you can monitor the status and activity of every port at a glance.

Designed with the Environment in Mind

The DES-1024D is energy efficient and consumes low power. It uses recyclable packaging that helps reduce waste, complying with the WEEE directive. It's innovatively designed to run cool and quiet without sacrificing performance.

Technical Specifications

General

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
LAN	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX compliance	• IEEE 802.3x Flow Control support

Data Transfer Rates	• Fast Ethernet
	  • 100 Mbps Half-Duplex
	  • 200 Mbps Full-Duplex
		• Ethernet
		  • 10 Mbps Half-Duplex
		  • 20 Mbps Full-Duplex

Functionality

Switching Capacity	• 4.8 Gbps	
Number of Ports	• 24 10/100Mbps Fast Ethernet ports	

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	• 8K entries per device:	
MAC Address Learning	• Automatic update	
Packet Filtering /Forwarding Rates	• Ethernet: 14,880 pps per port	• Fast Ethernet: 148,800 pps per port
Topology	• Star	
Protocol	• CSMA/CD	

Physical

Dimensions	• 11.0 x 5.0 x 1.7 inches (280 x 125.8 x 44 mm)	
Weight	• 3.652lbs (1.66kg)	

Power Consumption	• Power On (Standby):
	  • DC input: 1.33 Watts
	  • AC input: 2.39 Watts
		• Maximum:
		  • DC input: 5.50 Watts
		  • AC input: 8.07 Watts

Heat Dissipation	• Power On (Standby):
	  • AC input: 8.16 BTU/h
		• Maximum:
		  • AC input: 27.54 BTU/h

MTBF	• 810,880 hours	
Temperature	• Operating: 32 to 104 °F (0 to 40 °C)	• Storage: 14 to 158 °F (-10 to 70 °C)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
Certifications	• CE • FCC • ICES-003	• C-Tick • cUL • CB

DES-1024D 24-Port 10/100 Unmanaged Desktop or Rackmount Switch

Order Information	
Part Number	*Description*
DES-1024D	24-Port 10/100 Unmanaged Desktop or Rackmount Switch
Warranty Information	
Warranty	Limited Lifetime[1]

[1] Limited Lifetime Warranty Available in the U.S.A. only.

Updated 02/05/2014 (REV F1)

For more information

D-Link®
Building Networks for People