24-Port 10/100 Desktop/Rackmountable Switch

High-Performance Wire-Speed Architecture

- 4.8Gbps Switching Capacity
- Non-blocking Architecture
- 8K MAC Address Table
- 802.1p Priority Queuing

Operational Simplicity

- True Plug-and-Play
- Auto-negotiation
- Auto Cable Detection (MDI/MDI-X)
- At-a-Glance Port LED Indicators
- Desktop/Rackmountable
- Operates Quietly without Fans

Investment Protection

- Support for Industry Standards
- Limited Lifetime Warranty[1]

Overview

The D-Link® 24-Port 10/100 Switch (DES-1024D) combines ease of use with unsurpassed performance, resulting in an exceptional value for any network administrator who wants the best possible solution at the best price. The DES-1024D is a true Plug-and-Play device, featuring Auto Speed Sensing, Auto-negotiation, and Auto MDI/MDI-X Crossover.

Power Packed

With non-blocking architecture, the DES-1024D filters and forwards packets at wirespeed for maximum throughput. An 8K MAC address table provides scalability for even the largest networks, while address learning, 802.3x flow control for full-duplex mode, and back pressure flow control for half-duplex mode alleviate traffic congestion and ensure reliable data transmission. Designed using industry standards, the DES-1024D is compatible with virtually all 10/100 Ethernet devices. It protects your existing network investments while providing you with a straightforward migration path for faster network speeds.

Easy to Install and Maintain

Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables when connecting to another switch or hub. Auto-negotiation on each port senses the link speed of a network device (either 10 or 100Mbps) and adjusts for compatibility and optimal performance. It also features diagnostic LEDs that display status and activity, allowing you to quickly detect and correct problems on the network.

802.1p Quality of Service

The DES-1024D supports 802.1p Quality of Service. When the switch receives a frame tagged with an 802.1p priority, it automatically places it into one of four priority queues. Priority queuing is useful in implementations where time-sensitive data such as voice and video are streamed across the network.

business

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Technical Specifications

Product/Performance Specifications

MAC Address Table Size	• 8K
Switch Fabric	• 4.8Gbps Forwarding Capacity
Transmission Method	• Store-and-Forward
Diagnostic LEDs	• Per Unit: Power • RoHS Per Port: Activity/Link, Speed
RAM Buffer	• 320KBytes
QoS	• 802.1p (2 Queues)

Interface Options

RJ-45	• 10BASE-T • 100BASE-TX

Network Protocols & Standards

IEEE	• 802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.1p Priority Queuing

Electrical and Emissions

Certifications	• FCC Class A • RoHS • ICES- 003 Class A • C-Tick • CE Mark Class A • VCCI-A
Power Supply	• 100-240VAC, 50/60Hz Internal Universal Power Supply
Power Consumption	Power on (standby): • DC input 1 Watt • AC input 1.4 Watts Max: • DC input 4.6 Watts • AC input 6.1 Watts
Heat Dissipation	Power on (standby) Max: • AC input 4.5 BTU/h • AC input 20.78 BTU/h
Enviornmental	• RoHS compliant

Safety and Environmental

Safety	• cUL • LVD
Temperature	• Operating 32º to 104ºF (0º to 40º C) • Storage 14º to 158ºF (-10º to 70º C)
Humidity	• Operating 10º~90º RH (Non-condensing) • Storage 5º~90º RH

Physical Specifications

Dimensions (W x D x H)	• Item: (W x D x H): 11"x 5"x 1.7"(280mm x 125.8mm x 44mm)
Weight	• 3.5 lbs (1.6 kg)

Warranty Information

Warranty	• Limited Lifetime[1]
MTBF	• 626,992 hours

Ordering Information

Part Number	Description
DES-1024D	24-Port 10/100 Switch, Desktop/Rackmountable

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For more information
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