



Connect up to five Ethernet devices such as computers, printers, and Network Attached Storage (NAS)

Power a Wireless Access Point or other PoE-enabled devices

Auto MDI/MDIX crossover simplifies cable connections

5-Port 10/100 Switch with one PoE Port

Product Highlights

- One IEEE 802.3af PoE port
- Auto MDI/MDI-X Crossover for all ports
- 200Mbps dedicated bandwidth per port (full duplex)
- Rugged metal housing
- Conserves energy with D-Link Green Technology

Extra Connectivity with Power

The D-Link DES-1005P 5-port 10/100 Switch with One PoE Port allows you to easily connect a Power over Ethernet (PoE) device such as a wireless access point (AP), IP camera, or IP phone. The switch also gives you the opportunity to add additional Ethernet devices such as computers, printers, and Network Attached Storage (NAS) onto your network. This compact PoE switch operates quietly, making it ideal for use in virtually any room or office.

Power Over Ethernet (PoE)

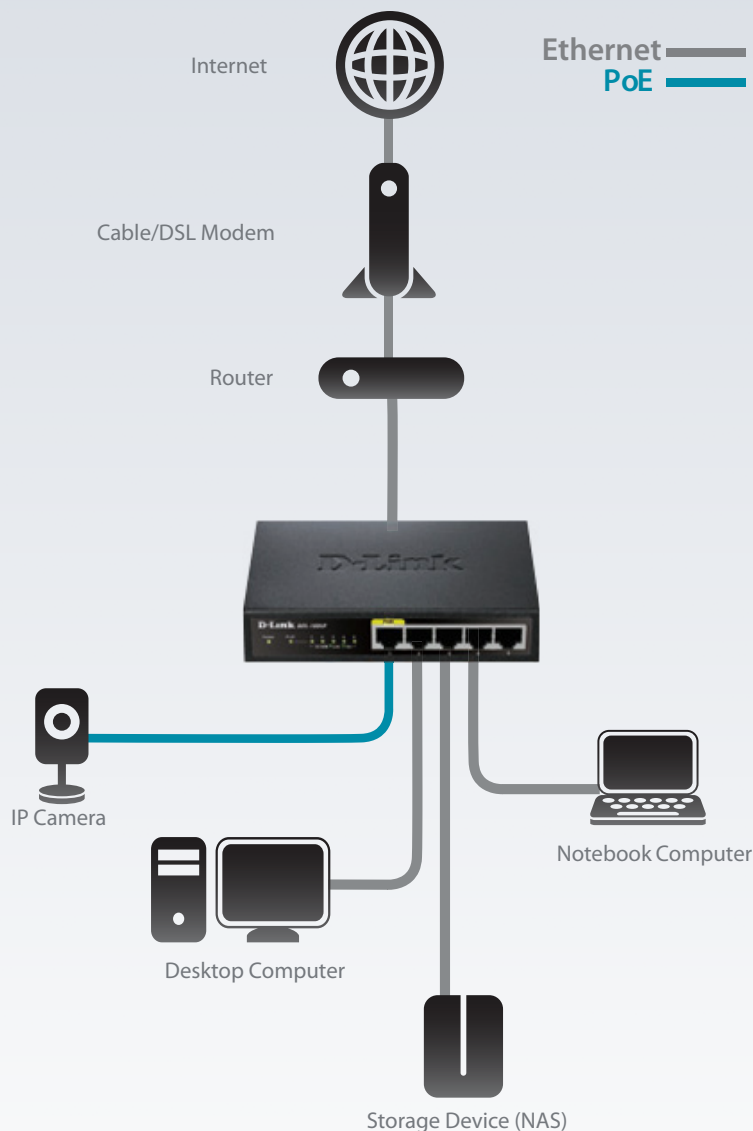
The first port of the DES-1005P supports the IEEE 802.3af PoE standard. The port supplies a total PoE budget of 15.4 watts, allowing users to attach an IEEE 802.3af-compliant device to the DES-1005P that requires no additional power. Use PoE for applications that are far from power outlets or when you want to minimize the clutter of extra cables.

Auto MDI/MDIX Crossover

All ports 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 straight-through twisted-pair Ethernet cables.

Conserves energy

The DES-1005P 5-Port 10/100 Switch makes use of D-Link Green™ eco-friendly technology, providing energy savings, reduced power consumption, and a longer product life without sacrificing operational performance or functionality. This switch helps to conserve energy through methods such as Link Status and Cable Length Detection. The Link Status feature automatically powers down ports that have no link, allowing the switch to save substantial amounts of energy by cutting power for unused ports or ports connected to computers that have been shut down. It can also detect connected cable lengths, and adjust power usage accordingly, helping you save energy without affecting networking performance. In addition, the fan-less design extends the switch's life and also reduces noise.



Package Contents

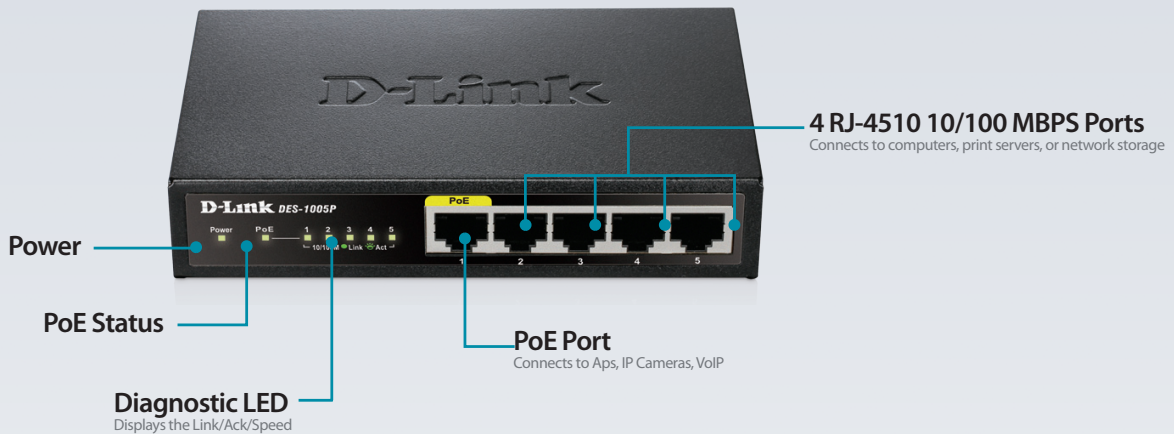
- 5-Port Switch with 1 PoE Port (DES-1005P)
- Power Adapter
- Quick Install Guide
- 4 Rubber Feet

Minimum System Requirements

- Devices Supporting 802.3 Ethernet, 802.3u Fast Ethernet, or 802.3af PoE
- Cat5 Ethernet Cable
- Network Interface Card for each computer

DES-1005P Connect Poe Devices To Your Network

Front



Technical Specifications

Key Features

- Five 10/100 Mbps Fast Ethernet ports with one PoE enabled port
- 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
- Plug-and-play Installation
- Built-in D-Link Green Technology
- RoHS Compliant
- IEEE 802.1p QoS (4 Queues, Strict Mode)

Switching Capacity

- 1 Gbps

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- ANSI/IEEE 802.3 NWay Auto-negotiation
- IEEE 802.3x Flow Control
- IEEE 802.1p QoS

PoE Features

- Supports IEEE 802.3af
- Supplies up to 15.4 watts of power to PD

Data Transfer Rates

- Ethernet:
 - 10 Mbps (half duplex)
 - 20 Mbps (full duplex)
- Fast Ethernet
 - 100 Mbps (half duplex)
 - 200 Mbps (full duplex)

Topology

- Star

Media Interface Exchange

- Auto MDI/MDIX adjustment for all 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.)

LED Indicators

- Per port: Link/Activity/Speed/PoE Status-T
- Per device: Power/PoE Max

Transmission Method

- Store-and-forward

MAC Address Table

- 2K 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

RAM Buffer

- 64 KBytes per device

Power Consumption

- Power On (Standby):
 - DC input: 0.9 watt
 - AC input: 1.8 watts
- Maximum (PoE Off)
 - DC input: 2.05 watts
 - AC input: 2.7 watts
- Maximum (PoE On)
 - DC input: 17.29 watts
 - AC input: 20.2 watts

Power Adapter

- Switching 48 V/0.5 A Level V power adapter

MTBF

- 324,616 hours

Operating Temperature

- 0 to 40 °C (32 to 104 °F)

STORAGE TEMPERATURE

- 104 to 158 °F (-40 to 70 °C)

OPERATING HUMIDITY

- 0% to 95% RH non-condensing

Storage Humidity

- 0% to 95% RH non-condensing

Device Dimensions (W x D x H)

- 5.5 x 3.3 x 1.1 inches (140 x 85 x 28 mm)

Certifications

- FCC Class B
- ICES-003 Class B
- cUL



For more information

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

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