



## 5-PORT 10/100 SWITCH WITH ONE PoE PORT

### PLUG AND PLAY

Auto MDI/MDIX crossover simplifies cable connections

### FLEXIBLE NETWORKING

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

### WIRED PoE ACCESS

Power a Wireless Access Point or other PoE-enabled devices



### FAST INTERNET CONNECTION AT HOME

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.

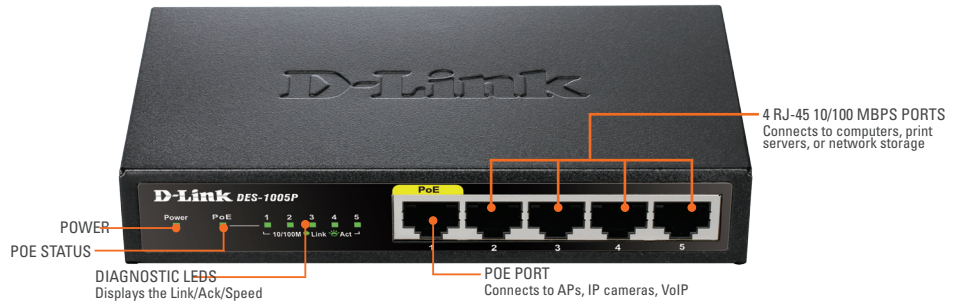
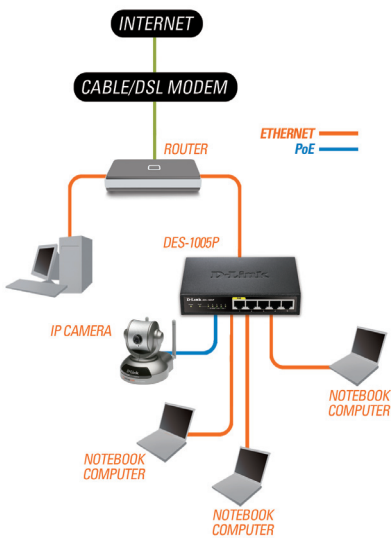
### CONSERVES ENERGY

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.

### WHAT THIS PRODUCT DOES

The DES-1005P offers an economical way for SOHO users to not only enjoy the benefit of having a five-port network switch, but having a five-port network switch with one of those ports PoE enabled. Users can then easily create a PoE home surveillance system even in locations where power sockets are limited. The addition of a PoE port to a five port switch allows SMB users an alternative to larger, more expensive switches, without having to sacrifice the need to power PoE devices.

### YOUR NETWORK SETUP



### 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 power to PD: up to 15.4 watts
- Total PoE budget: 15.4 watts
- PoE port count/Average PoE watts

#### 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-568 100-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
- 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

- 40 to 70 °C (104 to 158 °F)

#### OPERATING HUMIDITY

- 0% to 95% RH non-condensing

#### STORAGE HUMIDITY

- 0% to 95% RH non-condensing

#### DEVICE DIMENSIONS (W x D x H)

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

#### CERTIFICATIONS

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



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