D-Link®

Product Highlights

Power over Ethernet

Support for IEEE 802.3at Power over Ethernet (PoE) on ports 1 to 4 allows for remote installation and powering of PoE-powered devices

PoE Power Budget

A large 60 W PoE power budget and up to 30 W per port for simultaneously powering multiple PoE-compatible devices

Plug-and-play

Plug-and-play installation means the switch can be quickly and easily installed without the need for any additional configuration

DES-1005P

5-Port Desktop Fast Ethernet PoE+ Switch

Features

High-Speed Networking
- Five 10/100 Mbps Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet

Reliability
- IEEE 802.3x flow control
- Store-and-forward switching scheme
- RoHS-compliant

Easy Setup
- Plug-and-play installation
- Auto MDI/MDI-X crossover on all ports

Compact Design
- Compact lightweight chassis
- Noise-free operation

PoE Functionality
- Four PoE ports
- IEEE 802.3af/at compliant
- 60 W total power budget
- Up to 30 W power output per PoE port

The D-Link DES-1005P 5-Port Desktop Fast Ethernet PoE+ Switch enables you to connect Power over Ethernet (PoE) devices such as wireless access points (APs), IP cameras, and IP phones to the network. Built with home and small business users in mind, the DES-1005P is compact and operates silently, making it ideal for most rooms and offices.

Power over Ethernet

The DES-1005P features four 10/100BASE-T ports that support the IEEE 802.3af and IEEE 802.3at PoE protocols, supplying up to 30 W on each PoE port and providing a total power budget of 60 W. You can connect compatible devices to the DES-1005P without using an additional power supply. This allows you to save on cabling and to install devices in locations without immediate access to power outlets.

High Performance

The DES-1005P features plug-and-play installation and requires no configuration. Auto MDI/MDI-X support on all ports removes the need for crossover cables when connecting to another switch or hub, and auto-negotiation on each port intelligently adjusts the port speed for compatibility with the connected device. With wire-speed filtering and store-and-forward switching, the DES-1005P maximises network performance while minimising the transmission of bad network packets.

DES-1005P 5-Port Desktop Fast Ethernet PoE+ Switch

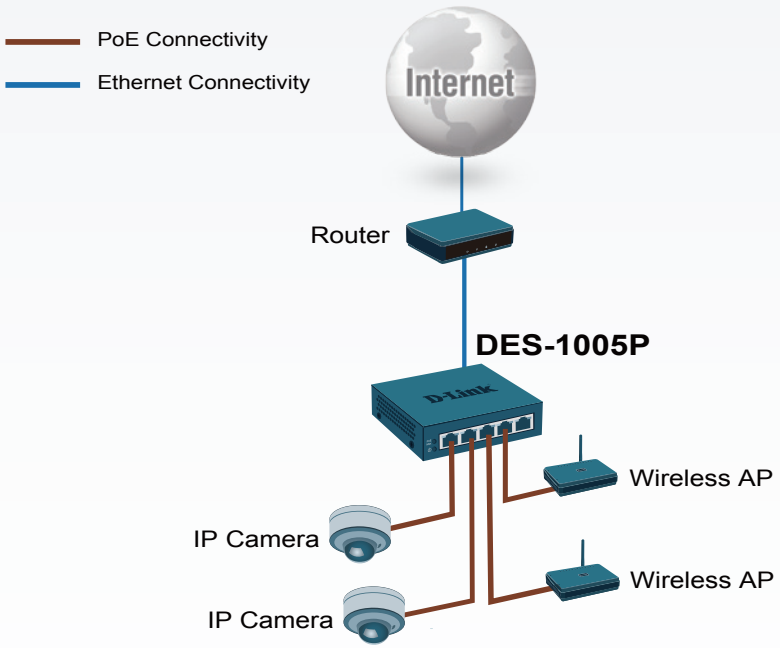
Green Technology

The DES-1005P features green technology such as IEEE 802.3az Energy-Efficient Ethernet (EEE), link status detection, and cable length detection. EEE adjusts the power consumption of the switch based on network utilisation, reducing the cost of ownership during periods of inactivity. Link status detection powers down ports when no links are detected, saving power when connected devices are shut down or disconnected. Cable length detection adjusts the power output of the port based on the cable length, reducing the power requirements of the switch.

Compact and Silent

The compact design of the DES-1005P allows placement in most locations, including those where space is at a premium. The desktop form factor provides everything you need to set up a new network or expand an existing network, while the fanless design ensures silent operation even in noise-sensitive areas such as workstations and meeting rooms.

Example Configuration



Technical Specifications

General

Size	• Desktop
Interfaces	• 5 10/100BASE-T ports
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 • IEEE 802.1p QoS
Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports

DES-1005P 5-Port Desktop Fast Ethernet PoE+ Switch

Performance		
Switching Fabric	• 1 Gbps	
Transmission Method	• Store-and-forward	

Data Transfer Rates	• Fast Ethernet
	  • 100 Mbps (half-duplex)
	  • 200 Mbps (full-duplex)
		• Ethernet
		  • 10 Mbps (half-duplex)
		  • 20 Mbps (full-duplex)

Packet Filtering / Forwarding Rates	• 0.744 Mpps	
MAC Address Table	• 2K entries per device	
RAM Buffer	• 64 KB per device	
PoE		
PoE Standards	• IEEE 802.3af	• IEEE 802.3at
PoE-Capable Ports	• Ports 1 to 4	
Power Budget	• 60 W (30 W max. per PoE port)	
LEDs		
Power / PoE Max (per unit)	✓	
Power / Status (per port)	✓	
Activity / Link and Speed (per port)	✓	
Physical		
Weight	• 0.26 kg (9.17 oz)	
Dimensions	• 100 x 98 x 28 mm (3.94 x 3.86 x 1.10 in)	
DC Input	• External 53.5 V / 1.2 A power adapter	
Power Consumption	• 63.26 W maximum (PoE on) • 3.61 W maximum (PoE off)	• 0.68 W (standby)
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -10 to 70 ˚C (-40 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing
Certifications		
Safety	• cUL • CB	• LVD • BSMI
EMI/EMC	• CE • BSMI • FCC	• VCCI • RCM

For more information: www.dlink.com

Updated December 2018