D-Link®
Building Networks for People

DES-1005P

5-Port PoE Fast Ethernet Desktop Switch

Key Features

Ease of installation
• Plug and Play operation
• Non-blocking architecture
• Fanless, completely silent
• For indoor environments
• Compatible with existing Ethernet infrastructure
• Auto MDI/MDIX crossover for all ports

Power over Ethernet (PoE)
• One PoE enabled port
• 802.3af PoE standard
• Active circuit protection

QoS
• Automatic priority queues for network traffic prioritisation
• Smooth integration of video, audio and data traffic

Convenient installation
• Wall-mounting kit included

Energy saving design
• Link status and cable length detection to save power
• Energy Efficient Ethernet (EEE) compliant
• Restriction of Hazardous Substances Directive (RoHS) compliant

The DES-1005P PoE Fast Ethernet Desktop switch provides a cost-effective way for businesses to benefit from Power over Ethernet (PoE) technology by allowing users to power up devices such as wireless Access Points, network cameras or IP phones directly from the network cables. The switch also gives you the opportunity to add additional Ethernet devices such as computers, printers and Network Attached Storage (NAS) onto your network. The DES-1005P is equipped with one PoE port and integrates D-Link's Green Ethernet technology to save power when the switch is not in use. Its fanless design makes it completely silent so it is ideal for operation in offices, libraries or meeting rooms.

Plug and Play PoE

The first port in the DES-1005P supports the IEEE 802.3af PoE standard. This port supplies PoE power for up to 15.4 Watts, and will automatically detect the power that a connected PoE device requires so no configuration is needed. This makes the DES-1005P a very convenient solution for applications where power sockets are limited, or when it is necessary to minimise the clutter of extra power supplies.

QoS (Quality of Service)

The DES-1005P prioritises network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.
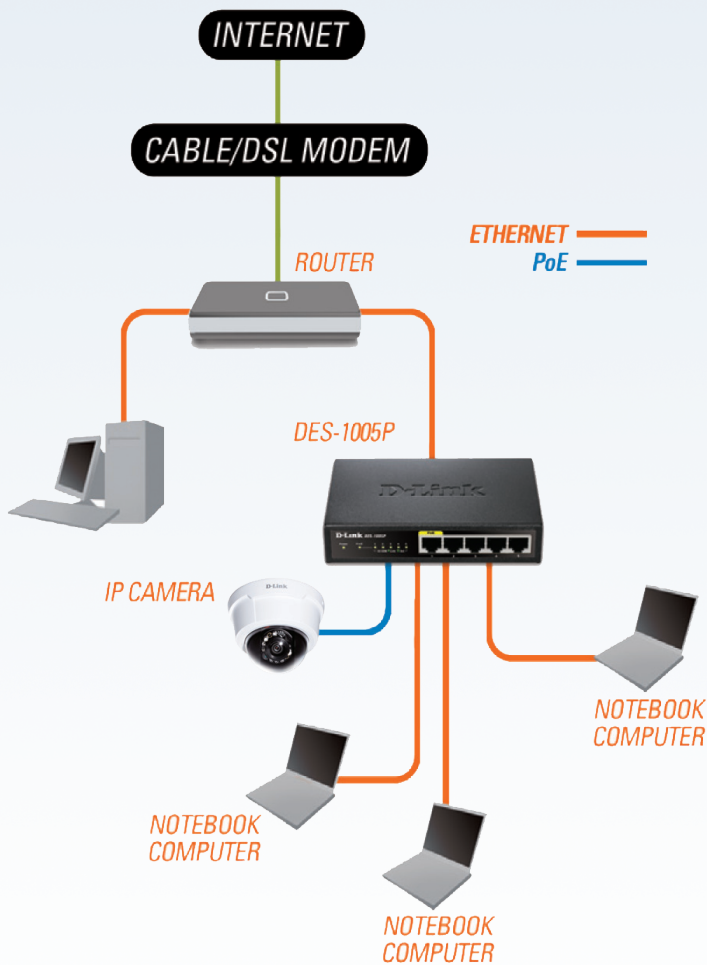
Auto MDI/MDIX Crossover

All ports in the DES-1005P 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 for ease of installation.

Power-saving technology

The DES-1005P 5-Port PoE Fast Ethernet Desktop switch incorporates 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 fanless design extends the switch's life and also operates in silence.

Additionally, the DES-1005P includes the Energy Star Level V power adapter to ensure an efficient power conversion and extended product lifespan. D-Link Green Ethernet™ technology can detect the length of the network cables connected to the ports and provide only the right amount of energy for the DES-1005P to further save energy and reduce bills with no compromise on performance
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Your Network Setup

D-LinkAssist
Rapid Response Support

If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support
D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.
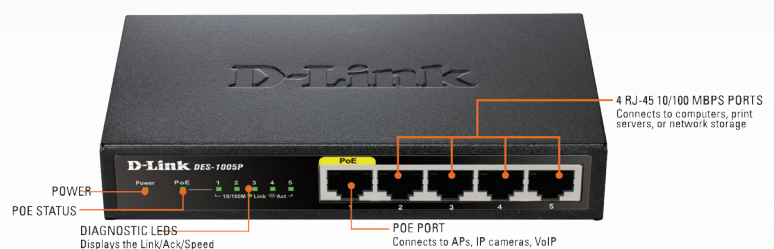
D-Link Assist Silver - for prompt same-day assistance
D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day
D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

Technical Specifications

General

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 • IEEE 802.3az Energy Efficient Ethernet (EEE)
Layer2 Features	• MAC address table: 2K • Auto MDI/MDIX crossover for all ports • Store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds
PoE Features	• 802.3af PoE standard (port 1 only) • Up to 15.4 W • Active circuit protection (PoE port disabled if shortcut detected) • CAT 5A PoE pin-out: 1,2,3,6
Switching Fabric	• 64 KB

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

Packet Filtering/Forwarding Rates	• Ethernet: 14,880 pps per port • Fast Ethernet: 148,800 pps per port
RAM Buffer	• 64 KB
LED Indicators	• Per port: Link/Activity/Speed/PoE Status • Per device: Power/PoE Max
Quality of Service (QoS)	• Supports 802.1p QoS • 4 Queues, Strict Mode

Technical Specifications	
General	
Green Features	• 802.3az Energy Efficient Ethernet (EEE) standard • Green Ethernet: power saving by cable-length detection • RoHS compliant
Power	• External 48 V/0.5 A Level "V" Power Adapte

Power Consumption	• Power On (stand-by)
	  o DC input: 0.9 W
	  o AC input: 1.8 W
	• Maximum (PoE off)
	  o DC input: 2.05 W
	  o AC input: 2.7 W
	• Maximum (PoE on)
	  o DC input: 17.29 W
	  o AC input: 20.2 W

MTBF	• 324,616 hours
Temperature	• Operating: 0 to 40 ˚C • Storage: -40 to 70 ˚C
Humidity	• Operating: 10% to 90% RH non-condensing • Storage: 5% to 90% RH non-condensing
Dimensions (W x D x H)	• 140 x 85 x 28 mm
Certifications	• FCC Class B • ICES-003 Class B • cUL • CE

For more information: www.dlink.eu

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dlinkgreen

Energy Efficient Ethernet

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