

Product Highlights

PoE Power

Convenient connectivity solution for IP cameras, Access Points or VoIP phones

Plug & Play

No configuration needed

Quality of Service (QoS)

Traffic prioritisation for smooth integration of video, voice and data traffic

Energy Efficient

Very low power consumption with D-Link Green™ technology



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

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.

Your Network Setup



If the worst should happen to your network you need the very best support and fast. Downtime costs «

Technical Specifications

General

Standards	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 802.3af PoE standard (port 1 only) • Up to 15.4W • Active circuit protection (PoE port disabled if shortout detected) • CAT 5A PoE pin-out: 1,2,3,6
Switching Fabric	<ul style="list-style-type: none"> • 64 KB
Data Transfer Rates	<ul style="list-style-type: none"> • Ethernet: <ul style="list-style-type: none"> o 10Mbps (half duplex) o 20Mbps (full duplex) • Fast Ethernet: <ul style="list-style-type: none"> o 100Mbps (half duplex) o 200Mbps (full duplex)
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> • Ethernet: 14,880pps per port • Fast Ethernet: 148,800pps per port
RAM Buffer	<ul style="list-style-type: none"> • 64 KB
LED Indicators	<ul style="list-style-type: none"> • Per port: Link/Activity/Speed/PoE Status • Per device: Power/PoE Max
Quality of Service (QoS)	<ul style="list-style-type: none"> • Supports 802.1p QoS • 4 Queues, Strict Mode

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

Technical Specifications

General

Green Features	<ul style="list-style-type: none">• 802.3az Energy Efficient Ethernet (EEE) standard• Green Ethernet: power saving by cable-length detection• RoHS compliant
Power	<ul style="list-style-type: none">• External 48V/0.5A Level "V" Power Adapter
Power Consumption	<ul style="list-style-type: none">• Power On (stand-by)<ul style="list-style-type: none">◦ DC input: 0.9W◦ AC input: 1.8W• Maximum (PoE off)<ul style="list-style-type: none">◦ DC input: 2.05W◦ AC input: 2.7W• Maximum (PoE on)<ul style="list-style-type: none">◦ DC input: 17.29W◦ AC input: 20.2W
MTBF	<ul style="list-style-type: none">• 324,616 hours
Temperature	<ul style="list-style-type: none">• Operating: 0 to 40 °C• Storage: -40 to 70 °C
Humidity	<ul style="list-style-type: none">• Operating: 10% to 90% RH non-condensing• Storage: 5% to 90% RH non-condensing
Dimensions (W x D x H)	<ul style="list-style-type: none">• 140 x 85 x 28 mm
Certifications	<ul style="list-style-type: none">• FCC Class B• ICES-003 Class B• cUL• CE



For more information: www.dlink.eu

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