

## Product Highlights

### Power-over-Ethernet

Allows for flexible installation for wireless access points, network cameras or IP phones, providing power and network connectivity with a single Ethernet cable

### Reliable PoE Connections

Enhanced surge protection on all PoE ports protects the switch especially when supplying power to outdoor PoE-capable devices<sup>1</sup>

### Flexible Connectivity

16 Fast Ethernet ports and 2 Gigabit uplink ports provide redundant, wired speed connection for reliable networking



## DES-1018P/DES-1018MP

# 18-Port Fast Ethernet PoE Switches with 2 Gigabit Uplink Ports

## Features

### Versatile Connectivity

- DES-1018P - 8 x 10/100 Mbps PoE ports and 8 x 10/100 Mbps ports
- DES-1018MP - 16 x 10/100 Mbps PoE ports
- 2 x Gigabit combo uplink ports

### Reliability

- 2 kV surge protection for PoE ports
- IEEE 802.3x flow control

### Easy Setup

- Plug and play installation
- Auto MDI/MDIX crossover for all ports

### Green Features

- IEEE 802.3az Energy Efficient Ethernet
- Smart fan (DES-1018MP only)
- RoHS compliant

The D-Link DES-1018P/DES-1018MP 18-Port Fast Ethernet PoE Switch with 2 Gigabit Uplink Ports enables users to easily connect and supply power to PoE-capable devices such as wireless access points (APs), network cameras, and IP phones. The DES-1018P/DES-1018MP can also connect other Ethernet devices like computers, printers and network attached storage (NAS) to fit into any type of network application.

## Power Over Ethernet IEEE 802.3af

The DES-1018P/DES-1018MP features 8 or 16 ports that support the IEEE 802.3af PoE protocol. Each of the PoE ports can supply up to 15.4 watts, with a total PoE budget of 80 watts (DES-1018P) or 246.4 watts (DES-1018MP), allowing users to attach an IEEE 802.3af-compliant device to the DES-1018P/DES-1018MP without requiring additional power. PoE is especially suitable for devices that are far from power outlets or when users want to minimise the clutter of extra cables as power is supplied via the Ethernet cables themselves.

## Expand Your Network

The addition of 2 Gigabit combo uplink ports means businesses can increase their network bandwidth via wired speed while offering redundancy so voice and surveillance data are transferred reliably. The combo design can increase bandwidth by offering two Gigabit copper or fibre connections, giving administrators more options for expansion.

## Cut Your Energy Costs

To help small businesses save on operating costs, the DES-1018P/DES-1018MP supports IEEE 802.3az Energy Efficient Ethernet (EEE). This feature senses network traffic to automatically put ports that are not being used to sleep and also powers them on as required. The DES-1018MP also features a smart fan that automatically adjusts itself to reduce power consumption and noise whenever possible to conserve energy, so users can reinvest the cost-savings back into their business.<sup>2</sup>

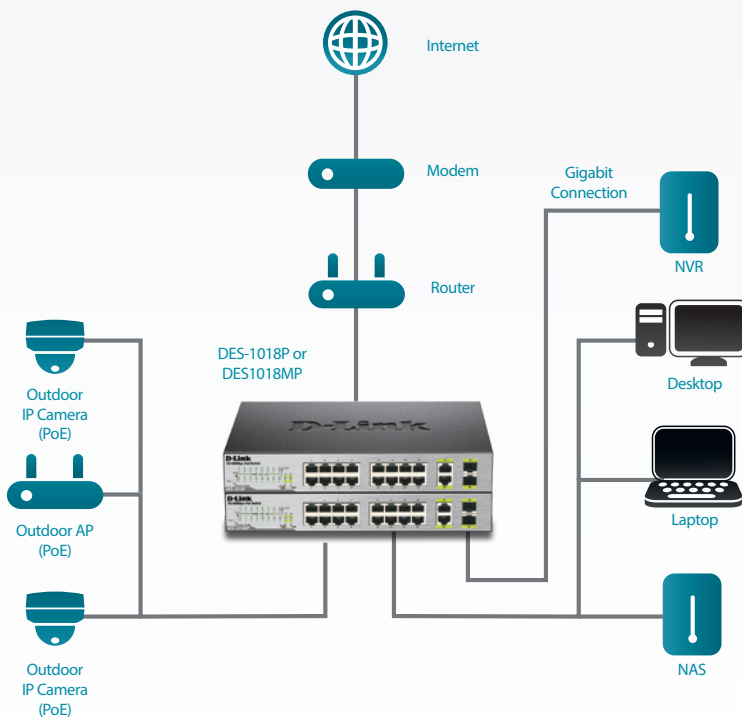
# DES-1018P/DES-1018MP 18-Port Fast Ethernet PoE Switches with 2 Gigabit Uplink Ports

## Hassle-Free Setup

The DES-1018P/DES-1018MP is a plug and play device that requires no configuration, so setup is simple and hassle-free. Simply connect the switch to a network to connect multiple computers, share files and make VoIP calls. Support for Auto MDI/MDI-X on all ports eliminates the need for crossover cables when connecting to another switch or hub.

Auto-Negotiation on each port senses the link speed of a network device (either 10 or 100) and intelligently adjusts for compatibility and optimal performance. Combining the convenience of PoE, fast performance, reliability, and ease of use, the 18-Port Fast Ethernet PoE Switches with 2 Gigabit Uplink Ports is the ideal choice for adding PoE devices to a network.

Network Diagram



## D-Link Assist 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.

# DES-1018P/DES-1018MP

## 18-Port Fast Ethernet PoE Switches with 2 Gigabit Uplink Ports

Technical Specifications	DES-1018P	DES-1018MP
<b>General</b>		
Device Interfaces	<ul style="list-style-type: none"> <li>• 8 10/100 Mbps PoE ports</li> <li>• 8 10/100 Mbps ports</li> <li>• 2 10/100/1000BASE-T/SFP combo ports</li> </ul>	<ul style="list-style-type: none"> <li>• 16 10/100 Mbps PoE ports</li> <li>• 2 10/100/1000BASE-T/SFP combo ports</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)</li> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> <li>• IEEE 802.3x flow control</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> </ul>
Switching Fabric	• 7.2 Gbps	
64 Byte Max. Forwarding Rate	• 5.36 Mpps	
Transmission Method	• Store-and-forward	
MAC Address Table	• 8k	
Packet Buffer	• 384 Kbytes	
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	<ul style="list-style-type: none"> <li>• Per unit: Power</li> <li>• Per port: Activity / Link and Speed</li> </ul>	• Per PoE port: Power fail, Power OK
Fan	• 1 fan	• 1 smart fan
PoE Standard	• IEEE 802.3af	
PoE Ports	• Ports 1~8 up to 15.4 W per port	• Ports 1~16 up to 15.4 W per port
PoE Power Budget	• 80 watts	• 246.4 watts
Surge Protection	• Ports 1~8 up to 2 kV	• Ports 1~16 up to 2 kV
<b>Physical</b>		
Dimensions	• 11" x 8.3" x 1.7" (280 mm x 210 mm x 44 mm)	
Weight	• 1.78 kg (3.92 lbs)	• 2.15 kg (4.74 lbs)
Power	• Internal AC input: 100 ~ 240 VAC, 50~60 Hz	
Power Consumption	<ul style="list-style-type: none"> <li>• Maximum Power Consumption: 102.6 watts (PoE on), 14.3 watts (PoE off)</li> <li>• Standby Power Consumption: 7.1 W/100 V, 8.3 W/240 V</li> </ul>	<ul style="list-style-type: none"> <li>• Maximum Power Consumption: 301.6 watts (PoE on), 15.6 watts (PoE off)</li> <li>• Standby Power Consumption: 9.3 W/100 V, 10.5 W/240 V</li> </ul>
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing
MTBF	• 395,864 hours	• 361,802 hours
Heat Dissipation	• 349.9 BTU/h	• 1029.5 BTU/h
Certifications	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• CE</li> <li>• CCC</li> <li>• RoHS</li> </ul>	<ul style="list-style-type: none"> <li>• VCCI</li> <li>• BSMI</li> <li>• C-Tick</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• CB</li> <li>• cUL</li> <li>• LVD</li> </ul>	<ul style="list-style-type: none"> <li>• CCC</li> <li>• BSMI</li> </ul>

<sup>1</sup> Surge protection function available for PoE ports only.

<sup>2</sup> Energy savings from IEEE 802.3az Energy Efficient Ethernet (EEE) are dependent on actual usage scenarios.



**For more information: [www.dlink.com](http://www.dlink.com)**

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