

## Product Highlights

### Power over Ethernet

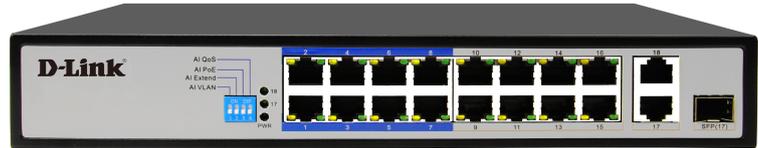
Support for IEEE 802.3at/af Power over Ethernet (PoE) on ports 1 to 8 allows for powering of PoE-powered devices up to 250m and ports 9 to 16 up to 100M

### PoE Power Budget

A large 150W PoE power budget and up to 30W 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-F1018P-E

# 18-Port 250m Long Reach PoE+ Switch with 2 Gigabit Uplink Ports

## Features

### High-Speed Networking

- 16 10/100 Mbps Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet
- 2 Gigabit Uplink RJ45 ports with 1 SFP Combo port

### Functions

- VLAN
- EXTEND
- PoE
- QoS

### Easy Setup

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

### PoE Functionality

- Sixteen PoE ports
- IEEE 802.3af/at compliant
- 150W total power budget
- Up to 30 W power output per PoE port

The D-Link DES-F1018P-E 18 Port Switch with 16 10/100Mbps and 2 Gigabit Ports with 1 Combo SFP port enables you to connect Power over Ethernet (PoE) devices such as wireless access points (APs), IP cameras, and IP phones to the network. The DES-F1018P-E can also connect other network devices like computers, printers, Network Attached Storage (NAS) to fit into any type of network application. The Combo SFP/RJ45 port gives you the flexibility of using this uplink port either with copper or fibre optic cable.

## Power over Ethernet

DES-F1018P-E features sixteen 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 Ports 1-8 can support up to 250m, and providing a total power budget of 150W. You can connect compatible devices to the DES-F1018P-E 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-F1018P-E 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-F1018P-E maximizes network performance while minimizing the transmission of bad network packets.

With two Gigabit uplink ports the businesses can increase their network bandwidth using the speed of gigabit ethernet.

**Function**

The DES-F1018P-E 18-Port switch with 16 PoE ports, 6KV protected is equipped with smart features with a switch of button such as :

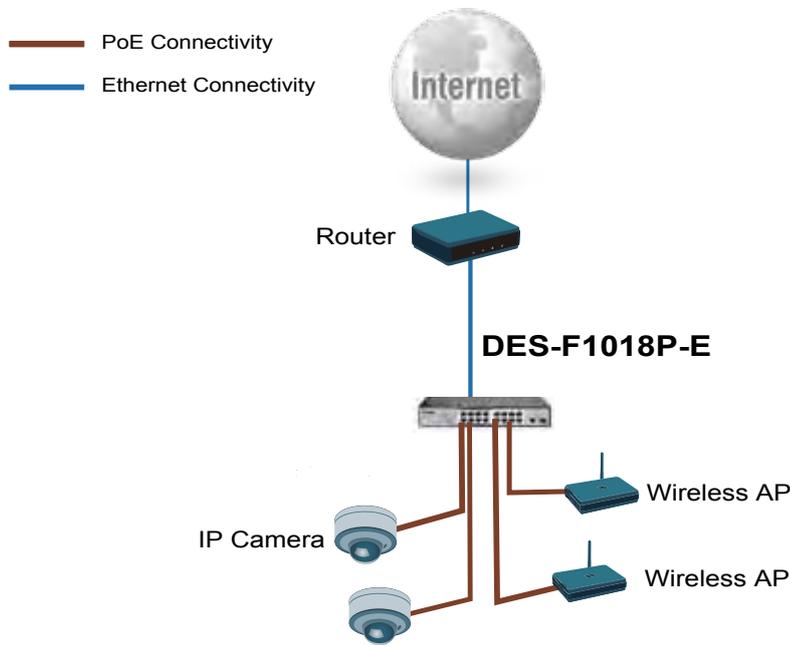
- Extend - support up to 250m distance power supply
- VLAN - Isolating ports 1-16 from each other can effectively suppress network storms and improve network performance
- QoS - Prioritize the identified video data to make video transmission smoother
- PoE - Automatic detection power of port, power off and restart

**Expand and Upgrade Your Network**

The DES-F1018P-E offers an economical way for SOHO and small to medium businesses (SMB) to benefit from high-speed PoE networking.

It provides sixteen PoE ports and 2 Gigabit uplink ports with 1 Combo SFP for easy expansion of your network and supply power up to 250m\* to your PoE devices. In the DES-F1018P-E, Ports 1 - 8 can supply power (802.3 af/at) up to 250m distance at 10Mbps, it is a cost-effective solution for your SMB network. Unmanaged switch with rich functions (Extend, VLAN, QoS and PoE) provides a reliable connection to your company infrastructure.

**Example Configuration**



**Technical Specifications**

**General**

Size	• Desktop (with Mounting Kit)
Interfaces	• 16 10/100 BASE-T ports • 2 x Gigabit RJ45 with 1 Combo SFP/RJ45
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)      • IEEE 802.3x flow control • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation
Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports
Lighting Protection	• 6KV
<b>Performance</b>	
Switching Fabric	• 7.2Gbps
Transmission Method	• Adopt Store-and-forward

## DES-F1018P-E 18-Port PoE 100Mbps switch with 2 Gigabit ports

Data Transfer Rates	<ul style="list-style-type: none"> <li>Gigabit Ethernet</li> <li>100 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>Ethernet</li> <li>10 Mbps</li> </ul>
Packet Filtering / Forwarding Rates	<ul style="list-style-type: none"> <li>10M port maximum 14800pps</li> <li>100M port maximum 148800pps</li> <li>1000M port maximum 1488000pps</li> </ul>	
<b>PoE</b>		
PoE Standards	<ul style="list-style-type: none"> <li>IEEE 802.3af</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3at</li> </ul>
PoE-Capable Ports	<ul style="list-style-type: none"> <li>Port 1 - 16 (Port 1 - 8 PoE can support up to 250m @ 10Mbps with Extend enabled)</li> </ul>	
Power Budget	<ul style="list-style-type: none"> <li>150W (36 W max. per PoE port)</li> </ul>	
<b>LEDs</b>		
Power	✓	
Link/Activity	✓	
<b>Physical</b>		
Weight	<ul style="list-style-type: none"> <li>2.5 kg</li> </ul>	
Dimensions	<ul style="list-style-type: none"> <li>285 x 180 x 44 mm</li> </ul>	
Power	<ul style="list-style-type: none"> <li>External power adapter: 150W</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	
Humidity	<ul style="list-style-type: none"> <li>Operating: 0% to 95% RH non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>Storage: 0% to 95% RH non-condensing</li> </ul>
<b>Certifications</b>		
Safety	<ul style="list-style-type: none"> <li>LVD</li> </ul>	
EMI/EMC	<ul style="list-style-type: none"> <li>CE</li> <li>FCC</li> </ul>	

Updated 2019/10/23