



## 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-F101 P-E 18-Port 250W PoE

### Features

#### High-Speed Networking

- 16 10/100 Mbps Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet
- Gigabit Uplink 4

#### 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

## PoE+ Switch with 4 Gigabit Uplink Ports

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 port can be used for either 10GbE or 1GbE.

### 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 30W on each PoE port and Port 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 4 Gigabit uplink ports 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 :

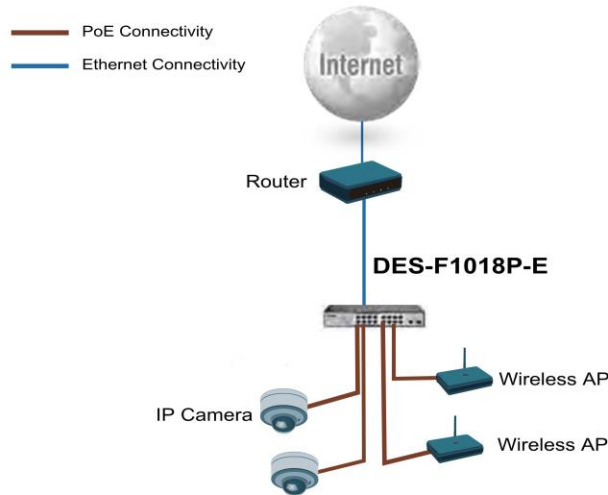
- Extend - support up to 250m distance power supply
- VLAN - Isolating ports 1-16 from each other can effectively suppress network storms and improve network performance
- QoS - Prioritize the identified video data to make video transmission smoother
- PoE - Automatic detection power of port, power off 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 1 Gigabit port for easy expansion of your network and supply power up to 250m\* to your PoE devices. DES-F1018P-E, Port 1 - 8 can supply power (802.3 af/at) up to 250m distance at 10Mbps, a cost-effective solution for your SMB network. Unmanaged switch with rich function (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 • Gigabit 4 SFP/ 4
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
Performance	
Switching Fabric	• .2Gbps
Transmission Method	• Adopt Store-and-forward

## DES-F101 P-E 1 -Port PoE 100Mbps switch with 1 Gigabit port

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/ /