D-Link®
Building Networks for People

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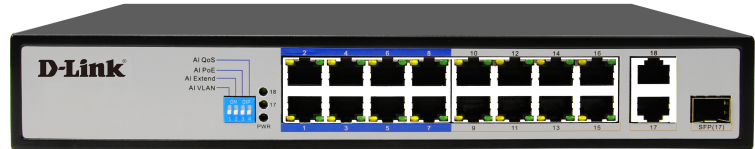
Power over Ethernet
Support for IEEE 802.3at/af Power over Ethernet (PoE) on ports 1 to 8 allows for powering of PoE-powered devices up to 250m and ports 9 to 16 up to 100M

PoE Power Budget

A large 150W PoE power budget and up to 30 W 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 sixteen10/100BASE-T ports that support the IEEE 802.3af and IEEE 802.3at PoE protocols, supplying up to 30 W on each PoE port and Ports1-8 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, 6 KV protected is equipped with smart features with a switch of button such as :
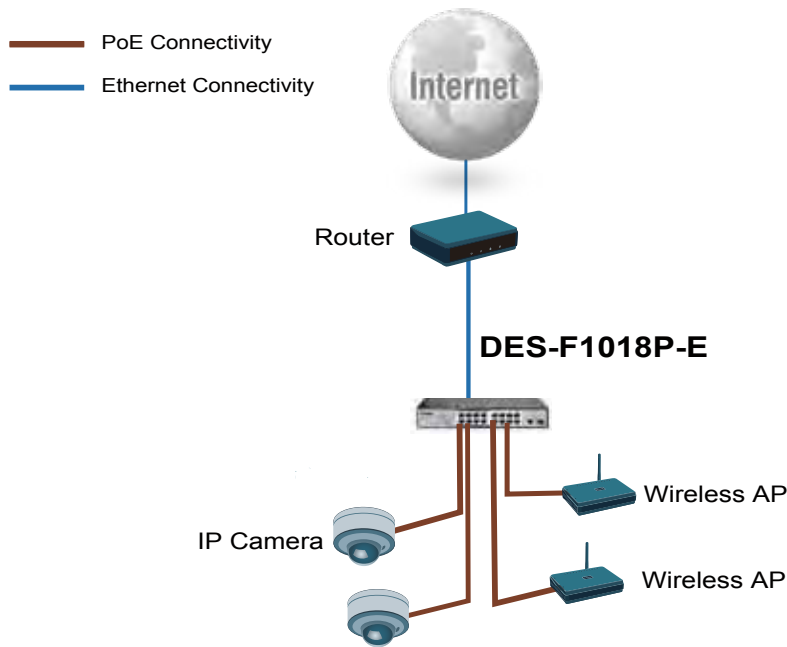
Extend - support up to 250m distance power supply

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

—— PoE Connectivity
—— Ethernet Connectivity

Internet

Router

DES-F1018P-E

IP Camera

Wireless AP

Wireless AP

Technical Specifications

General	
Size	• Desktop (with Mounting Kit)
Interfaces	• 16 10/100 B ASE-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
Performance	
Switching Fabric	• 7.2Gbps
Transmission Method	• Adopt Store-and-forward

Data Transfer Rates	• Gigabit Ethernet
	  • 100 Mbps
		• Ethernet
		  • 10 Mbps

Packet Filtering / Forwarding Rates	• 10M port maximum 14800pps • 100M port maximum 148800pps • 1000M port maximum 1488000pps	

PoE

PoE Standards	• IEEE 802.3af	• IEEE 802.3at
PoE-Capable Ports	• Port 1 - 16 (Port 1 - 8 PoE can support up to 250m @ 10Mbps with Extend enabled)	
Power Budget	•150W (36 W max. per PoE port)	

LEDs

Power	✓	
Link/Activity	✓	

Physical

Weight	• 2.5 kg	
Dimensions	• 285 x 180 x 44 mm	
Power	• Internal power adapter	
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing

Certifications

Safety	• LVD	
EMI/EMC	• CE • FCC	• RCM

Updated 2019/10/23