D-Link®
Building Networks for People

Product Highlights
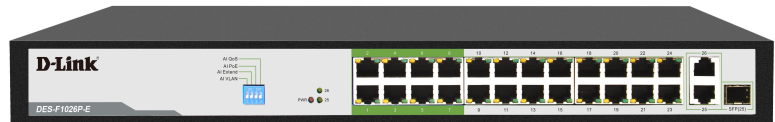
Power over Ethernet
Support for IEEE 802.3at/af Power over Ethernet (PoE) on ports 1 to 8 allows for powering of PoE-powered devices up to 250m and ports 9 to 24 up to 100M

PoE Power Budget
A large 250W 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-F1026P-E
250M 24 100M bps PoE Switch with Gigabit Combo Port

Features

High-Speed Networking
- 24 10/100 Mbps Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet
- 1 Uplink GE Port + 1 Combo Uplink

Functions
- VLAN
- EXTEND
- PoE
- QoS

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

PoE Functionality
- Twenty-Four PoE ports
- IEEE 802.3af/at compliant
- 250W total power budget
- Up to 30 W power output per PoE port

The D-Link DES-F1026P-E 24 Port Switch with 24 10/100Mbps and 1 GE + 1 Combo Uplink 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-F1026P-E can also connect other Ethernet devices like computers, printers. The DES-F1026P-E can also connect other Ethernet devices like computers, printers and a Network Attached Storage (NAS) to fit into any type of network application.

Power over Ethernet

DES-F1026P-E features twenty-four 10/100BASE-T ports that support the IEEE802.3af and IEEE802.3at PoE protocols, supplying up to 30 W on each PoE port and Port 1-8 can support up to 250m, and providing a total power budget of 250W. You can connect compatible devices to the DES-F1026P-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-F1026P-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-F1026P-E maximizes network performance while minimizing the transmission of bad network packets.

With Gigabit combo uplink port mean businesses can increase their network bandwidth using the speed of gigabit ethernet

Function

The DES-F1026P-E with 24 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 1-24 from each other can effectively suppress network storms and improve network performance

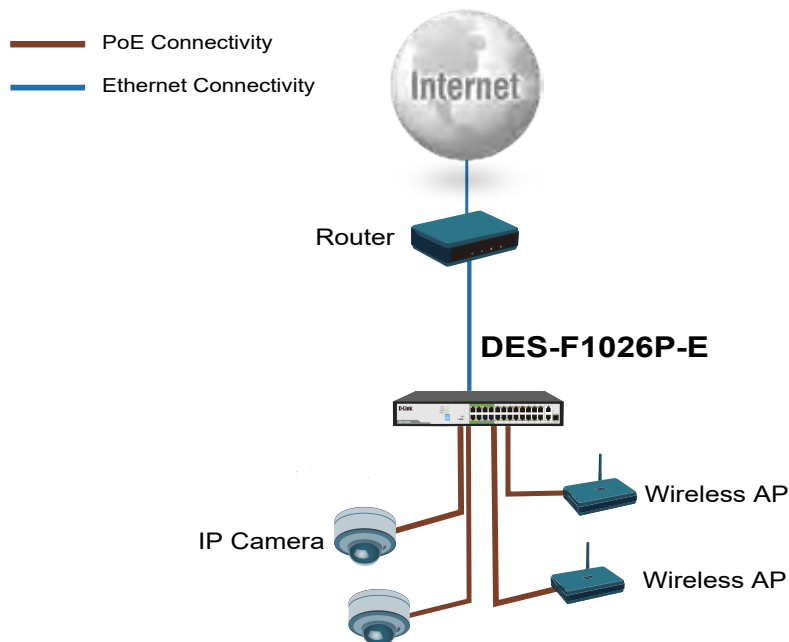QoS - Prioritize the identified video data to make video transmission smoother

PoE - Automatic detection power of port, power off and restart

Expand and Upgrade Your Network

The DES-F1026P-E offers an economical way for SOHO and small to medium businesses (SMB) to benefit from high-speed PoE networking.

It provides 24 PoE ports and 1 Gigabit + 1 Combo for easy expansion of your network and supply power up to 250m* to your PoE devices. DES-F1025P-E, Port 1 - 8 can supply power (802.3 af/at) up to 250m distance at 10Mbps, cost-effective solution for your SMB require-ment. Unmanaged switch with rich function (Extend, VLAN, QoS and PoE) provides a reliable connection to your company infrastructure.

Example Configuration

PoE Connectivity
Ethernet Connectivity

Internet

Router

DES-F1026P-E

Wireless AP

IP Camera

Wireless AP

Technical Specifications	
General	
Size	• Desktop (with Mounting Kit)
Interfaces	• 24 10/100 B ASE-T ports • 1 GE Port + 1 Combo (GE/SFP)
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	• 6.8Gbps
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 - 24 (Port 1 - 8 PoE can support up to 250m @ 10Mbps with Extend enabled)	
Power Budget	•250W (30 W max. per PoE port)	

LEDs		
Power	✓	
Link/Activity	✓	

Physical	
Weight	• 2.8 kg
Dimensions	• 440 x 180 x 44 mm
Power	• External power adapter: 250W
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

Updated 2019/05/19