Product Highlights

Power over Ethernet
Support for IEEE 802.3at/af Power over Ethernet (PoE) on 9th-16th port support 500 meters long distance transmission with speed 100 Mbps (Should be used with D-LINK splitter DPE-500-E)

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-F1016P-HE
16 10/100Mbps +1 Gigabit and 1 Combo Uplink 500m PoE Switch

Features

High-Speed Networking
• 16 10/100 Mbps Ethernet ports
• 1 Gigabit and 1 Combo Uplink
• 500m PoE distance

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

500m Distance
• 9th-16th port support 500 meters long distance transmission with speed 100 Mbps
• DPE-500-E – PoE Splitter to be used for 500m
  (To be bought separately)

The D-LINK DES-F1016P-E is specially designed for long distance security transmission and WIFI coverage as a 16 port PoE switch, 9-16 port can support 100 Mbps transmission rate under extreme distance of 500 meters (D-LINK splitter used) over a long distance, can solve long distance power transmission in network monitor engineering problems, alternative fiber and network extender, solve the problems of the long-distance electricity difficulty, reduce engineering cost.

Power over Ethernet

The DES-F1016P-HE features sixteen 10/100BASE-TX ports that support the IEEE 802.3af/at PoE protocol. With total power budget of 150W, each of these PoE ports can supply up to 30W.

High Performance

The DES-F1016P-HE 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.
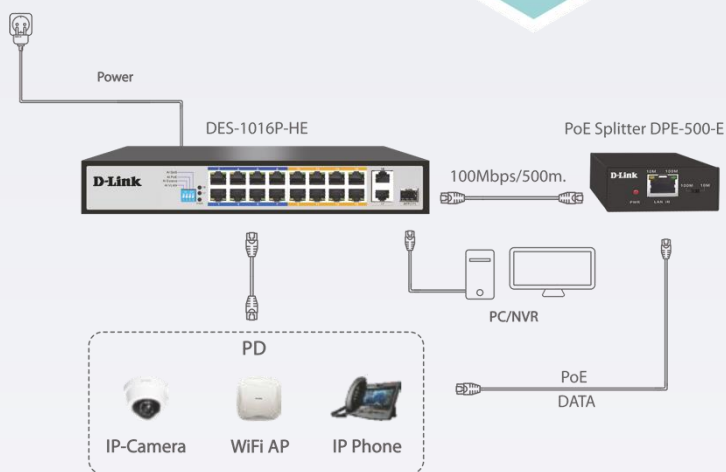
Expand and Upgrade Your Network

The DES-F1016P-HE offers an economical way for SOHO and small to medium businesses (SMB) to benefit from high-speed PoE networking. It supports 16 ports where 9-16 port can support 100 Mbps transmission rate under extreme distance of 500 meters (collocation splitter used) over a long distance, can solve long distance power transmission in network monitor engineering problems, alternative fiber and network extender, solve the problems of the long-distance electricity difficulty, reduce engineering cost.

Example Configuration

Technical Specification	
General	
Interfaces	• 16 10/100Mbps PoE RJ45 port，9-16 port can support ultra-long-distance transmission of 500 meters at 100Mbps (with a long-distance splitter) • 2 10/100/1000Mbps RJ45 port • 1 Gigabit SFP Combo port
Standards	• IEEE 802.3i IEEE 802.3u IEEE 802.3x • IEEE 802.3ab IEEE 802.3af IEEE 802.3at
Protection	• Surge: 6KV • ESD：Air 8KV，touch 6KV
Performance	
MAC address	• Support 8K MAC address
Forwarding Mode	• Storage forwarding
Bandwidth	• 7.2Gbps
Packet Filtering / Forwarding Rates	• 5.36Mpps

PoE	
RJ45 PoE port	16 10/100Mbps RJ45 PoE port
Total power budget	150W
Single port	30W max. (per PoE port)
Indicators	
18 Link/Act indicator light	✓
16 POE indicator light	✓
1 Power indicator light	✓
Physical	
Dimensions	285mm×180mm×44mm
Power	Input: 100-240V/50-60Hz
Temperature	Operating: 0 to 50° C Storage: -40 to 70° C
Humidity	Operating: 5% to 90% RH non-condensing Storage: 5% to 90% RH non-condensing
Certification	
EMI/EMC	CE

Switch Working mode

Using DIP switch control working mode, details description as below:

Extend: 1-8 ports support 250 meters long distance power supply (should be use cat5e or cat6 cable)

VLAN: Isolating ports 1-16 to each other can effectively suppress network storms and improve network performance.

QoS: Customize application priority to improve network sensitivity. For example, video priority, monitoring transmission is more smooth

PoE: Automatically detect the power receiving port, find the dead device, power off and restart the device

Ordering Information	
Part Code	Description
DES-F1016P-HE	16 10/100Mbps +1 Gigabit and 1 Combo Uplink 500m PoE Switch

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Building Networks for People