D-Link®
Building Networks for People

Product Highlights

Power Your Devices
Supports IEE 802.3af/at PoE to Power PoE capable Network devices via ethernet cables without need for power adapters

Flexible Connectivity
Support transmission distance up to 250m for flexible installation of wireless AP & Surveillance Solutions.

Eco-friendly and Economical
Low-cost, innovative design runs reliably and quietly, saving energy and cutting costs without sacrificing performance

DES-F1016P-E
16-Port 10/100 Long Range PoE+ Surveillance Switch

Features

Superior connectivity
- 16 10/1 00Mbps Fast Ethernet ports
- 2 Gigabit Ports with 1 Combo (RJ45/SFP) uplink ports
- 150 watts available for PoE
- Flow control for protection against data loss
- Maximum distance of 250m

Standards
- IEEE 802.3 10BASE-T Ethernet (twist-pair copper)
- IEEE 802.3u 100BASE-TX Fast Ethernet (twisted pair copper)
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted pair copper)
- IEEE 802.3z 1000 BASE-X (fiber-optic)
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet

Easy to Use
- Plug-and-play installation
- IEEE 802.3x Flow Control
- Auto MDI | MDIX crossover for all ports

The D-Link DES-F1016P-E is a 16 port 100Mbps with 16 10/100 Mbps PoE ports, 2 Gigabit Ports with 1 Combo (RJ45/SFP) uplink ports. This Switch enables users to easily connect and supply power to PoE-capable devices such as wireless Access Points (APs), IP cameras.

Power Over Ethernet

The DES-Fl016P-E supports both IEEE 802.3at and IEEE 802.3af PoE protocol. With a total PoE budget of 150 watts ,allowing users to attach an IEEE 802.3af-compliant device to the DES-Fl016P-E without requiring additional power. PoE is especially suitable for devices that are far from power outlets or when users want to minimize the clutter of extra cables as power is supplied via the Ethernet cables themselves

Technical Specifications

General

Network Interface	• 16 10/100Mbps PoE RJ45 port (port 1 ~port 16) • 2 Gigabit Ports with 1 Combo RJ45/SFP Port (port 17)
Transmission Rate	• 10/100Mbps Each port supports MDI / MDIX auto-flip and auto-negotiation Network interface:10BASE-T or 100BASE-TX, 1000 BASE-T Ethernet RJ-45 port
Protocols and Standards	• IEEE802.3 1 0BASE-T • IEEE 802.3u 100BASE-TX • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE802.3ab 1000 BASE-T • IEEE802.3z 1000 BASE-X • IEEE802.3x Flow Control • IEEE 802.3af/at standard

Functionality

Switching Capacity	• 7.2 Gbps
Packet Forwarding	• 3.868Mpps
LED's Indicator PoE	• Power • LINK/ACT, PoE
Budget	• 150W
Power	• 100-240VAC, 50-60Hz
Lightning protection	• 6KV

Physical

Physical Characteristics	• Dimensions (LxWxH): 285 x 180 x 44mm • Weight: 2.1kg
Environmental Parameter	• Operating Temperature: 0 to 40 ℃ (32 to 104 ℉) • Operating Humidity: 10% to 90% non-condensing

Order Information

Part Number	Description
DES-Fl016P-E	16-Port 10/100 Long Range PoE+ Surveillance Switch

Switch working mode

Using DIP switch, the working mode of DES-Fl016P-E can be changed

1. **Extend Mode:** 1-8 ports support 250 meters long distance power supply (should be use cat5e or cat6 cable)
2. **VLAN Mode:** Isolating ports 1-16 to each other can effectively suppress network storms and improve network performance.
3. **QoS Mode:** Customize application priority to improve network sensitivity. For example, video priority, monitoring transmission is more smooth
4. **Power Mode:** Automatically detect the power receiving port, find the dead device, power off and restart the devices