D-Link
Building Networks for People

Product Highlights

Power Your Devices

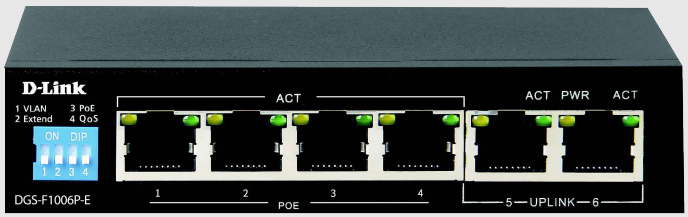
Supports IEE 802.3af/at PoE to Power PoE capable Network devices via ethernet cables without need for power adapters

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



DGS-F1006P-E

6-Port Gigabit Long Range PoE+ Surveillance Switch

Features

Superior connectivity

- 4 Gigabit PoE ports
- 2 Gigabit uplink port
- 60 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 802.3af 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
- Fanless device

The D-Link DGS-F1006P-E is a 6 port Gigabit Switch with 4 Gigabit PoE ports, 2 Gigabit 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 DGS-F1006P-E supports both IEEE 802.3at and IEEE 802.3af PoE protocol. With a total PoE budget of 60 watts ,allowing users to attach an IEEE 802.3af/at-compliant device to the DGS-F1006P-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.

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DGS-F1006P-E
6-Port Gigabit Long Range PoE+ Surveillance Switch

Technical Specifications

General

Network Interface	• 4 Gigabit PoE RJ45 port (port 1 ~port 4) • 2 Gigabit uplink RJ45 port (port 5~port 6)
Transmission Rate	• 10/100/1000Mbps Each port supports MDI / MDIX auto-flip and auto-negotiation • Network interface:10BASE-T, 100BASE-TX, 1000BASE-T Ethernet RJ-45 port
Protocols and Standards	• IEEE802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE802.3x Flow Control • IEEE 802.3af/at standard

Functionality

Switching Capacity	• 12 Gbps
Forwarding Rate	• 10M: 14,800pps • 100M: 148,800pps • 1000M: 1,488,000pps
LED's Indicator	• Power • LINK/ACT, PoE
PoE Budget	• 60W
Power	• External Power adapter: 100~240 - 50/60Hz, 52V, 1.15A
Lightning protection	• 6KV

Physical

Physical Characteristics	• Dimensions (LxWxH): 125 x 75 x 27mm • Weight: 0.75kg
Environmental Parameter	• Operating Temperature: 0 to 40 °C (32 to 104 °F) • Operating Humidity: 10% to 90% non-condensing

Order Information

Part Number	*Description*
DGS-F1006P-E	6-Port Gigabit Range PoE+ Surveillance Switch

Switch working mode

Using DIP switch, the working mode of DGS-F1006P-E can be changed

1. **Extend Mode:** 1-4 ports support 250 meters long distance power supply (should be use cat5e or cat6 cable)
2. **VLAN Mode:** Isolating ports 1-4 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. **PoE Mode:** Automatically detect the power receiving port, find the dead device, power off and restart the devices

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