



## 5-Port Fast Ethernet PoE Switch, 802.3at PoE+, 4 PoE Outputs

The FEP-0511 is a 5-port 10M/100M Fast Ethernet Switch with one uplink port plus 4 ports of Power over Ethernet capability. Per PoE port is power supply up to 30W. The total PoE power budget is 65W. It is an ideal solution where office and home users utilize a combination of PoE and non-PoE enabled devices.

Four ports on the FEP-0511 are PoE enabled making it an ideal solution for most office users that have PoE enabled devices located around the office. These products can include a mixture of PoE IP Phones, PoE wifi APs and PoE IP Cam. It is the perfect answer for offices that are upgrading their office equipment and LAN infrastructure to include PoE capability. The switch automatically detects IEEE 802.3at/af compliant device connected and provides power and data over a single cable to these devices. The FEP-0511 enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes. For instant error detection, the FEP-0511 is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.

### Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Internal power supply

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3x Full-duplex Flow Control  
IEEE 802.3af Power over Ethernet (PoE)  
IEEE 802.3at Power over Ethernet Plus (PoE+)

##### Buffer Memory:

48KB

**Connectors and Cabling:**

4 x 10/100Base-TX RJ-45 PoE 1~4 Ports  
1 x 10/100Base-TX RJ-45 Uplink 5 Ports

**Indicator:**

Power, Active, 10/100M, PoE

**Transmission Method:**

Store-and-Forward

**Power Input:**

100-240V AC, 50-60 Hz, 2A Internal Power Supply

**Power Consumption:**

< 65W (FEP-0511)  
< 90W (FEP-0511W90)  
< 120W (FEP-0511W120)

**Features****PoE:**

Power Budget: Max. 62W (FEP-0511)  
Max. 87W (FEP-0511W90)  
Max. 117W (FEP-0511W120)

PoE Standard: IEEE 802.3af/at Power over Ethernet / PSE

PD classification identity

PoE over current protection

PoE circuit sorting protection

PoE Power Output: Per Port 56V DC, Max. 15.4 watts (IEEE 802.3af) or 30 watts (IEEE 802.3at)

Power Pin Assignment: 1/2(+), 3/6(-)

**Performance****MAC Address Table:**

1K

**Data Transfer Rate:**

10/100Mbps

**Packet Forwarding Rate:**

100Mbps port - 148,000pps

10Mbps port - 14,880pps

**Environment****Temperature (°C):**

Operating: 0°C ~ 40°C

**Humidity (Non-condensing):**

Storage: 10% ~ 90%

Operating: 10% ~ 90%

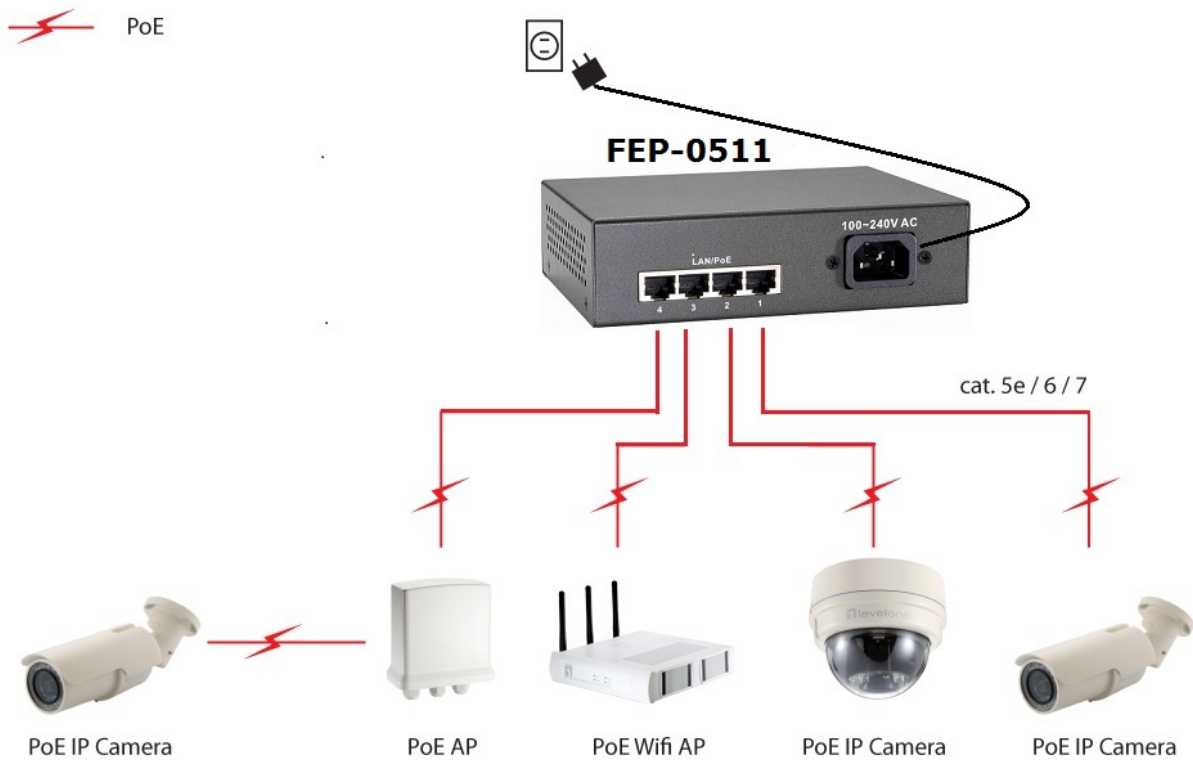
**Physical Specifications****Dimensions (W x D x H mm):**

160 x 122 x 44 mm

**Weight (g):**

800g

## Diagram



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## Order Information

FEP-0511: 65W  
FEP-0511W90: 90W  
FEP-0511W120: 120W

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## Package Contents

FEP-0511  
Power Cord  
Quick Installation Guide

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