



## 4 FE PoE + 4 FE Switch



FEP-0812

H/W Version: 1

### POE Solution

LevelOne's new FEP-0812 switch equipped with 8 10/100 Mbps ports with auto-MDI/MDIX crossover detection function. While combining power with Ethernet Technology, 4 of these 8 ports automatically detect the presence of IEEE 802.3af-compliant devices and provide the capability of transferring power and data over a single cable. The FEP-0812 is an ideal solution for extensive WLAN, IP Phone, and IP surveillance system deployments especially when the legacy and POE compliance devices co-exist in your network environment.

### Fast and Reliable Technology

FEP-0812 offers fast and reliable network. The store-and-forward architecture filters errors and forwards packets in a non-blocking environment. Flow control ensures the correctness of data transmitting. The IEEE802.3x and backpressure flow control mechanisms

work respectively for full and half duplex modes. This device supports Nway auto-negotiation protocol that detects the networking speed and the duplex modes (Full/Half) automatically. Auto-MDI/MDI-X function alleviates the effort to use crossover cables.

### Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network. The 10.5" design fits easily in any location. Users can place the switch on the desktop. With the accessory kits, the switch can either be stacked or mounted to the 19" rack or cabinet. The FEP-0812 provides an ideal solution for small businesses that demand a reliable network to interface file servers with bandwidth-starving workgroups, departments, and offices.



- 1: LED Indicator
- 2: 100Base-T RJ-45 Ports
- 3: 100Base-T PoE RJ-45 Ports
- 4: AC Power Socket

### Key Features

- Complies with IEEE802.3, IEEE 802.3u and IEEE802.3af standards
- 8 X 10/100Mbps RJ-45 NWay ports with 4 PoE port switch
- Provides 4 PoE ports with classification identify
- Supports up to 1K MAC address table
- Provides 96KB frame buffer
- Supports back pressure (half duplex) and flow control (IEEE802.3x)
- Internal power with 10.5 inch casing design
- Total PoE power budget: 61.6W (15.4W per port)

### Related Products



**FWS-0512**  
5-Port 10/100 PD Switch



**WAP-3100**  
11g PoE Wireless Access Point

## Technical Specifications

### Standards Compliance

IEEE 802.3: 10 BASE-T  
 IEEE 802.3u: 100 BASE-TX  
 IEEE 802.3af: Power Over Ethernet  
 IEEE 802.3x Flow Control for Full-Duplex

### Interface

4 x 10/100Mbps Auto-negotiation, Auto-MDIX PoE ports  
 8 x 10/100Mbps Auto-negotiation, Auto-MDIX Fast Ethernet ports

### Protocol

CSMA/CD

### Switching Method

Store-and-Forward switching architecture

### Transfer Rate

14,880 pps for 10Mbps  
 148,800 pps for 100Mbps

### Cabling

Ethernet: 2-pair UTP/STP Cat.3,4,5, EIA/TIA-568 100-ohm  
 Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100-ohm

### MAC Address Table

1K

### Buffer

768K bits

### PoE Spec

Supports up to 15.4 W for each PoE port  
 4.848 watts (max with no PD device connected)  
 65 watts (max. with 61.6w PoE device connected)  
 PoE power Budget : 61.6W  
 PD classification identify  
 PoE over current protection  
 PoE circuit sorting protection  
 PoE power on RJ-45 pin 3,6 for power + / pin 1,2 for power

### LEDs

Per Device: Power  
 Per Port: 10/100Mbps Link/ACT (green/Blinking);  
 Per POE Port: POE ACT (green);

### Power Supply

100~240VAC/50~60Hz universal input; Internal power Supply

### Power Consumption

65 Watts (max)

### Temperature

Operating: 0°C ~40°C  
 Storage: -10°C ~70°C

### Humidity

Operating: 10% ~ 95% Non-Condensing

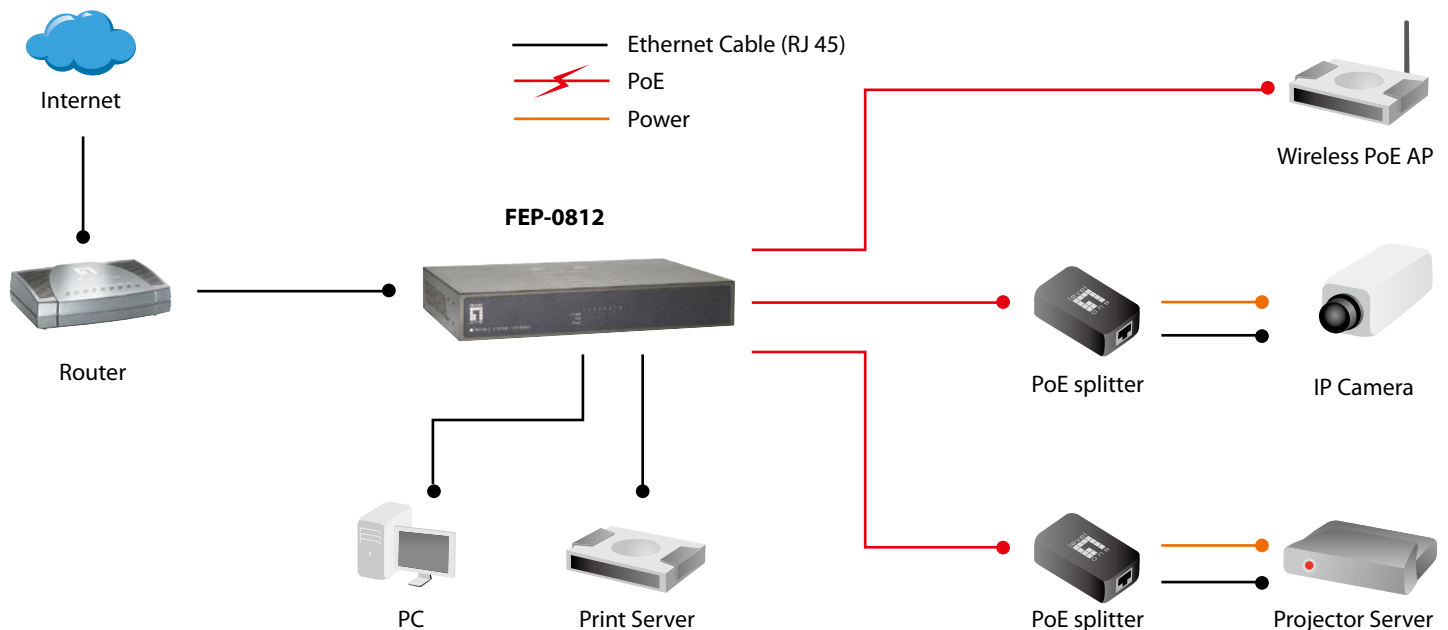
### Dimension: (L x W x H)

43mm x 270mm x 187mm

### EMI and Safety

FCC class A, CE

## Product Diagram



## Order Information

**FEP-0812:** 4 FE PoE + 4 FE Switch

## Package Contents

FEP-0812, Mounting Accessory (for 19" Rack Shelf), Quick Installation Guide, Power Cord