



8-Port 10/100Mbps w/ 4 PoE Ports



FWS-0822

H/W Version: 1

Advanced POE Solution –LevelOne’s new FWS-0822 switch is 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 FWS-0822 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

FWS-0822 offers users with 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 802.3x 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 11” 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 FWS-0822 switch provides an ideal solution for small businesses that demand a reliable network to interface file servers with bandwidth-starving workgroups, departments, and offices.



1



2

3

4

1. LEDs
2. 10/100 Mbps Ports
3. 10/100 Mbps PoE Ports
4. Internal power socket

Key Features

- Complies with IEEE 802.3, 802.3u and 802.3af
- 8-port 10/100Mbps Ethernet with 4-port PoE Switch
- Provides 8 10/100M auto-detect with half/full duplex switch ports
- Provides 4 PoE ports with classification identify
- Supports 15.4W maximum per PoE port
- Supports up to 1K MAC address table
- Provides 768 K Bits frame buffer
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Internal power adapter

Works well with



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

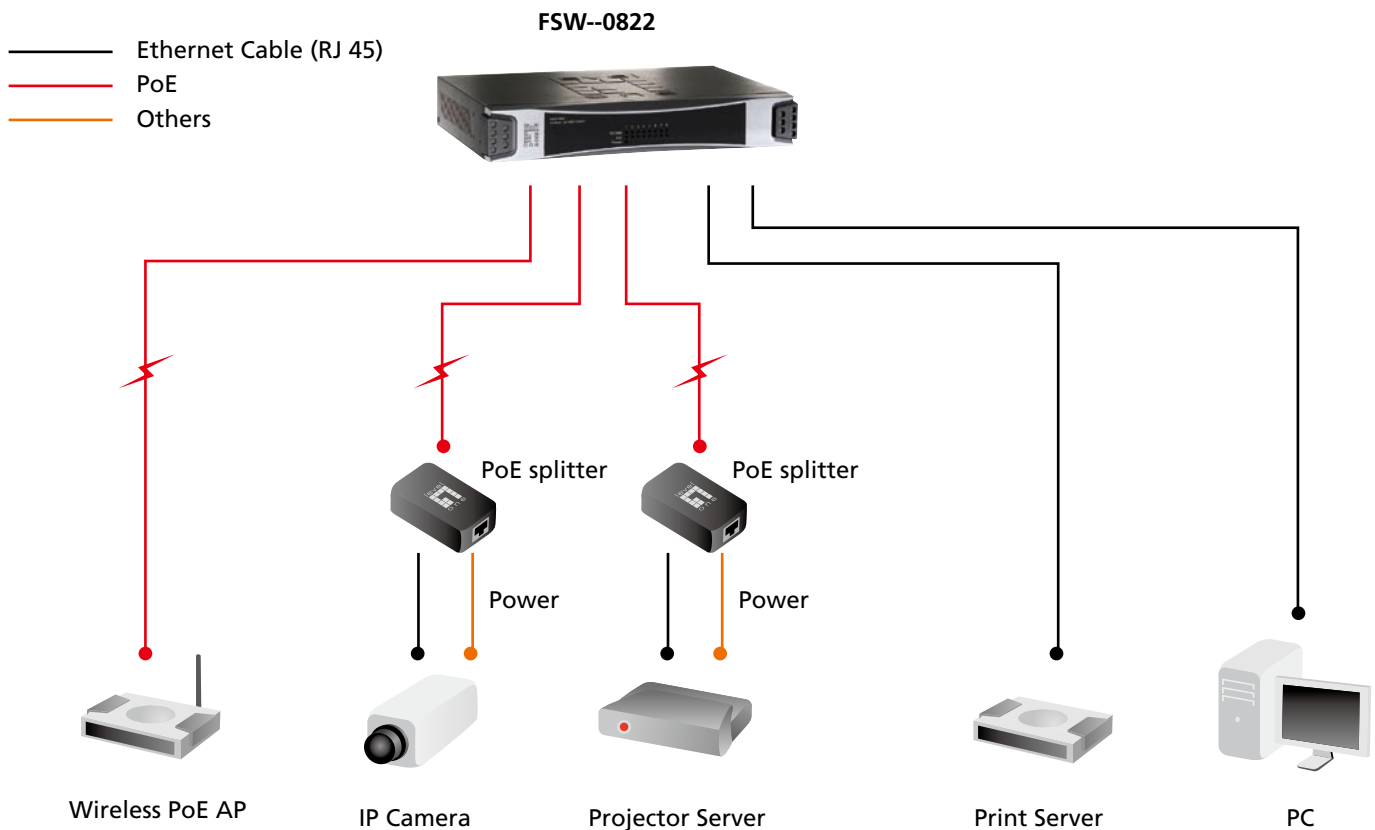
Dimension: (L x W x H)

43mm x 270mm x 187mm

EMI and Safety

FCC class A, CE

Product Diagram



Order Information

FSW-0822: 8-Port 10/100Mbps w/ 4 PoE Ports

Package Contents

FSW-0822

Power Cord

User Manua CD

Stackable Kit

Rack-mount bracketsl