

4 + 4 PoE 10/100Mbps Switch w/ External Power Adapter

Product Overview

The LevelOne FSW-0809 is an eight port Fast Ethernet Switch that incorporates PoE functionality for flexible network efficiency. It is an ideal solution where office and home users utilize a combination of PoE and non-PoE enabled devices.

PoE Functionality for the LAN

Four ports on the FSW-0809 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 Wireless Access Points and PoE IP Cameras.

The FSW-0809 is the perfect answer for offices that are upgrading their office equipment and LAN infrastructure to include PoE capability. The switch automatically detects IEEE 802.3af-compliant device connected and provides power and data over a single cable to these devices.

Stable and Reliable Network Environment

The FSW-0809 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.

Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.



FSW-0809

Key Features

- 8-port 10/100Mbps Ethernet Switch with shared 4 PoE ports
- Features 4 PoE ports with classification identify
- Supports 15.4W maximum per PoE port
- Supports automatic PoE Powered Device (PD) classification detection
- Supports over current protection and circuit shorting protection
- Provides a Store-and-Forward and Non-blocking switching architecture
- Complies with IEEE 802.3, 802.3u and 802.3af standards
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Supports up to 1K MAC address table
- Provides 96 Kbytes packet buffer
- Front-panel diagnostic LEDs

Technical Specification

Operating Specification

- **Standard Compliance**
IEEE 802.3: 10BASE-T
IEEE 802.3u: 100BASE-TX
IEEE 802.3af: Power over Ethernet
IEEE 802.3x: Flow Control for Full-Duplex
- **Network Interface**
4x 10/100Mbps Auto-negotiation, Auto-MDIX PoE ports
4x 10/100Mbps Auto-negotiation, Auto-MDIX Fast Ethernet ports
- **Protocol**
CSMA/CD
- **Switching Method**
Store-and-Forward switching architecture
- **Transfer Rates**
10Mbps (Half-duplex)
20Mbps (Full-duplex)
100Mbps (Half-duplex)
200Mbps (Full-duplex)
- **Cabling**
UTP Cat.5, Unshielded Twisted Pair (UTP) Cable

802.11af PoE Specification

- **Max power per port**
15.4W
- **Powered Device Detection**
Automatic PD classification detection
- **Current and Circuit Protection**
PoE current overload protection
PoE circuit sorting protection
- **Pin Classification**
Pin 3 & 6 for positive current (PoE Power +)
Pin 1 & 2 for negative current (PoE Power -)

Performance Specifications

- **RAM**
96KBytes
- **FAT Table**
1K

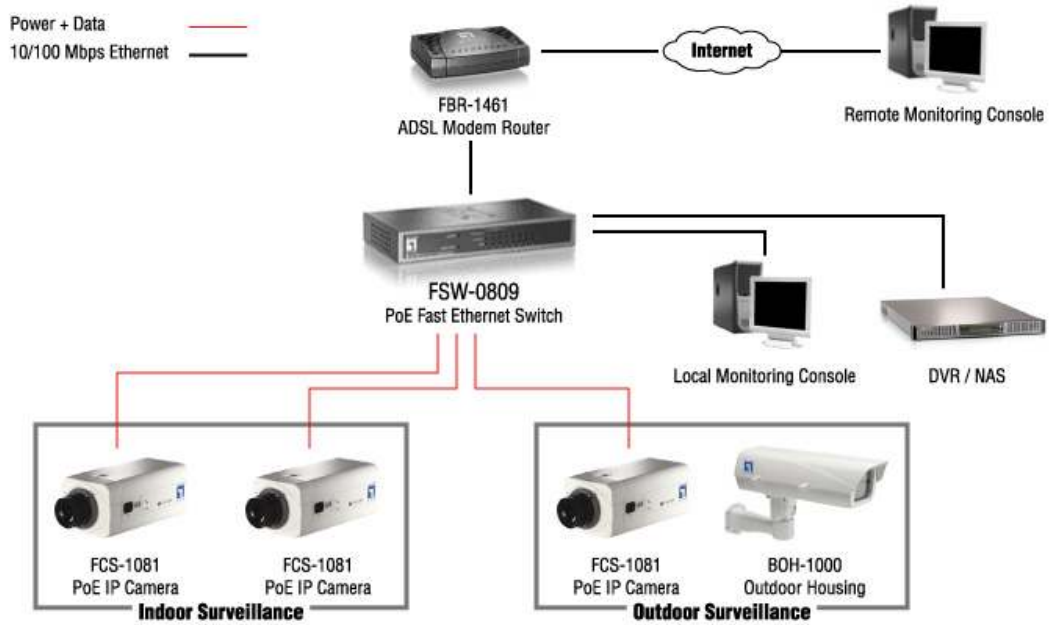
Physical Specifications

- **Diagnostic LEDs**
Power, Power MAX, PoE Status, Link, Activity, Speed
- **Power Supply**
100-240V AC/50~60Hz External Power Adapter
- **Power Consumption**
6.3 watts (max. with no PD device connected)
36.3 watts (max. with 30w PoE device connected)
- **Temperature**
Operating: 0 ~ 40°C (10% ~ 90% RH)
Storage: -10 ~ 70°C (5% ~ 90% RH)
- **Dimensions**
171mm (W) x 98mm (H) x 29mm (D)

Certifications

- **EMI and Safety**
FCC Class B
CE mark Class B
VCCI-B

Product Diagram



Order Information

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