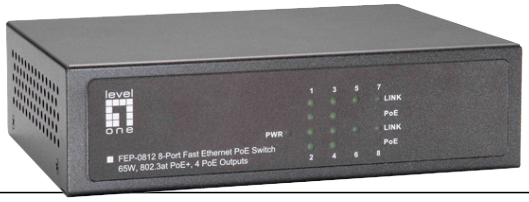
FEP-0812 Version: 4



8-Port Fast Ethernet PoE Switch, 802.3at/af PoE, 4 PoE Outputs

The FEP-0812 is a 8-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-0812 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-0812 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-0812 is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.

Key Features

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- 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

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:
64KB

Port:
4 x 10/100Base-TX RJ-45 PoE 1~4 Ports
4 x 10/100Base-TX RJ-45 Uplink 5~8 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-0812)
< 90W (FEP-0812W90)
< 120W (FEP-0812W120)

MAC Address Table:
1K

Data Transfer Rate:
10/100Mbps

Features

PoE:
Power Budget:
Max. 60W (FEP-0812)
Max. 85W (FEP-0812W90)
Max. 115W (FEP-0812W120)
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

Packet Forwarding Rate:
100Mbps port - 148,000pps
10Mbps port - 14,880pps

Environment

Temperature (°C):
Operating: 0°C ~ 40°C

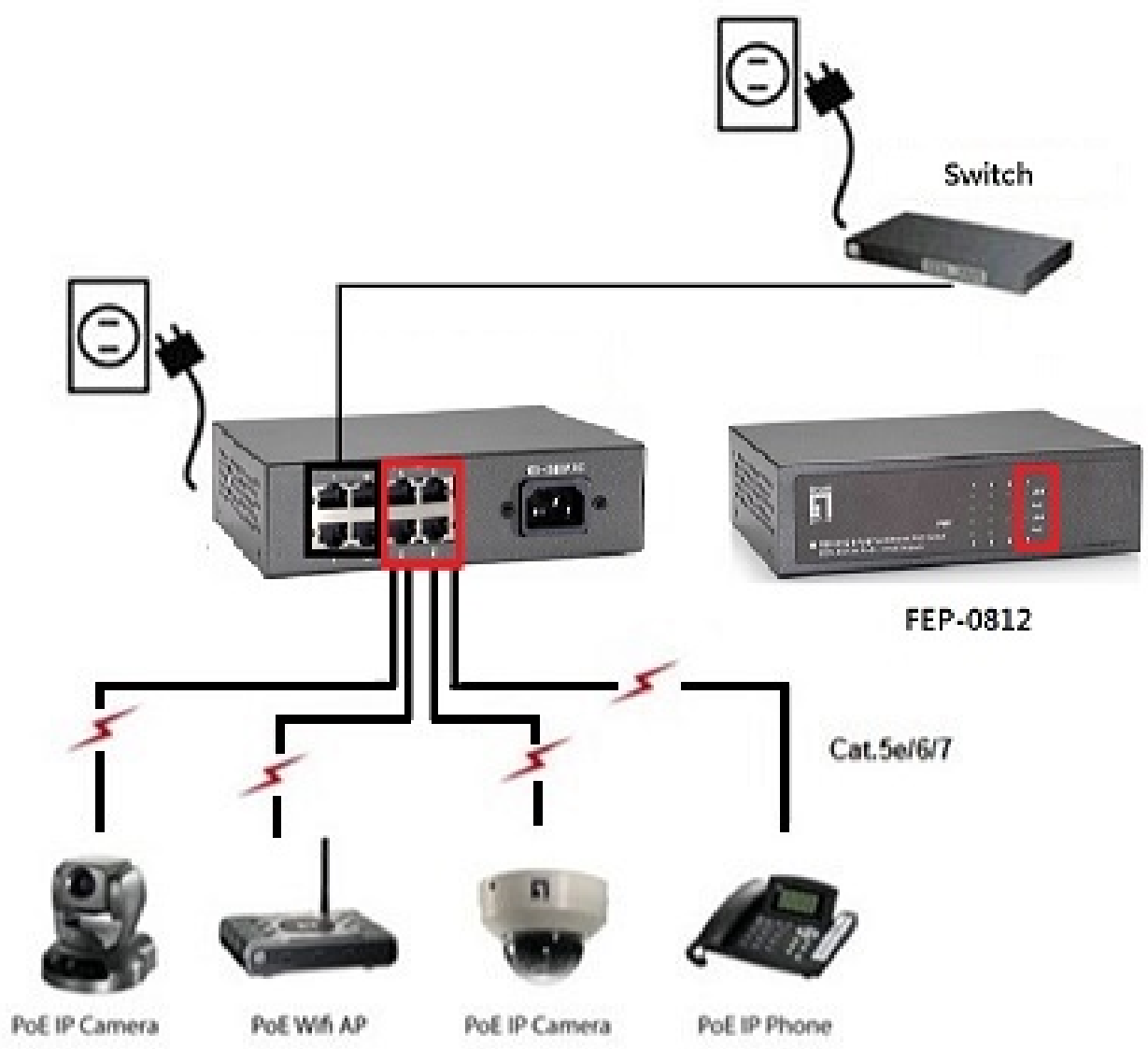
Humidity (Non-condensing):
Storage: 10% ~ 90%
Operating: 10% ~ 90%

Physical Specifications

Dimensions (W x D x H mm):
160 × 122 × 44 mm

Weight (g):
800g

Diagram



Order Information

FEP-0812: 65W
FEP-0812W90: 90W
FEP-0812W120: 120W

Package Contents

FEP-0812
Power Cord
Quick Installation Guide

No liability or responsibility for any errors or omissions in the content.
Specifications are subject to change without notice.
All mentioned brand names are registered trademarks and property of their owners.
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.