



FEP-0931 Version: 1

9-Port Fast Ethernet PoE Switch, 250m, 802.3at/af PoE, 120W, 8 PoE Outputs

The LevelOne FEP-0931 is an 9-port Fast Ethernet PoE switch that provides Power over Ethernet on eight of its ports. Per PoE port a power supply of up to 30W is possible. The total PoE power budget is 120W. Distances up to 250m at 10Mbps is supported. It is the ideal solution when office and home users who wants to power ip cameras at long distances or using a combination of PoE and non-PoE devices.

The FEP-0931 eight PoE-enabled ports make it an ideal solution for users who use PoE-enabled devices and already want to power a larger number of PoE devices. These products can be a mix of PoE IP phones, PoE Wifi APs and PoE IP cams. It is the perfect solution for offices that want to upgrade their office equipment and LAN infrastructure to PoE capability or upgrade their existing PoE infrastructure to Gigabit speed. The switch automatically detects the connected IEEE 802.3at/af standard device and provides these devices with power and data over a single cable.

The FEP-0931 also enables users to provide a stable and reliable high-speed LAN environment with store-and-forward switching architecture, packet error filtering and blockade-free packet forwarding. The 802.3x flow control mechanisms operate in both full and half duplex modes. This switch also supports the N-Way auto negotiation protocol, which automatically detects network speed and duplex mode.

For instant fault detection, the FEP-0931 is equipped with a complete set of LEDs to help monitor and troubleshoot the network.

Key Features

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports port-based VLAN
- Connection distance of up to 250m at 10Mbps data rate
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 120W, up to 30W per port

Specifications

System Specifications

Standards:

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+)

**Port:**

8 x 10/100 Base-TX RJ-45 PoE 1~8 Ports
1 x 10/100 Base-TX RJ-45 Uplink 9 Port

Button/Knob:

Dip x 2

Indicator:

Power, Active, 10/100 Mbps , PoE

Pin Assignment and Polarity:

1/2(+), 3/6(-)

Power Input:

52VDC @ 2.25A 125W

Power Output:

<120W

Power Consumption:

< 5W without PoE output

Backplane (Gbps):

1Gbps

MAC Address Table:

2K

Data Rate:

10/100 Mbps

Performance

Packet Forwarding Rate:

1.34M/pps

Jumbo Frame (K):

2048

Switching Capacity:

1.8G

Environment

Operating Temperature (°C):

-20~70°C

Operating Humidity (Non-condensing):

5%~90% non-condensing

Storage Temperature (°C):

-40~80°C

Storage Humidity (Non-condensing):

5%~90% non-condensing

Physical Specifications

Dimensions (W x D x H mm):

30×170.5×80.5mm

Weight (g):

850

Reliability

MTBF:
3000h

Approval and Compliance

EMI/EMS:
CF/FCC

Safety:
RoHs

Order Information

FEP-0931

Package Contents

FEP-0931
Power adapter with 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.