



FEP-0531 Version: 1

5-Port Fast Ethernet PoE Switch, 250m, 802.3at/af PoE, 60W, 4 PoE Outputs

The LevelOne FEP-0531 is a Fast Ethernet PoE switch with a total of 5 ports, one of which is available as uplink port and 4 ports for Power over Ethernet. Per PoE port a power supply of up to 30W is possible. The total PoE power budget is 60W. Distances up to 250m at 10Mbps is supported. It is an ideal solution when office and home users use a combination of PoE and non-PoE devices.

The FEP-0531 four PoE-enabled ports make it the ideal solution for office users using PoE-enabled devices in the workplace. This can include 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 with Gigabit performance. The switch automatically detects the connected IEEE 802.3at/af standard device and provides these devices with power and data over a single cable.

In addition, the FEP-0531 enables users to provide a stable and reliable high-speed LAN environment with store-and-forward switching architecture, packet error filtering and blockage-free packet forwarding. The 802.3x flow control mechanisms operate in both full and half duplex modes. This device supports the N-Way Auto Negotiation protocol, which automatically detects network speed and duplex mode.

For instant fault detection, the FEP-0531 is equipped with a full range 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: 65W, 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:**

4 x 10/100 Base-TX RJ-45 PoE 1~4 Ports
1 x 10/100 Base-TX RJ-45 Uplink 5 Port

Button/Knob:

DIP x2

Indicator:

Power, Active, 10/100 Mbps , PoE

Pin Assignment and Polarity:

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

Transmission Method:

Store-and-Forward

Power Input:

52VDC @ 1.25A 65W

Power Output:

< 60W

Power Consumption:

< 5W without PoE output

Backplane (Gbps):

1Gbps

MAC Address Table:

1K

Data Rate:

10/100 Mbps

Performance

Packet Forwarding Rate:

0.72M/pps

Jumbo Frame (K):

1536

Switching Capacity:

1G

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):

110.20 x 95.70 x 30.00 mm

Weight (g):

450

Reliability

MTBF:
30000h

Approval and Compliance

EMI/EMS:
CF/FCC

Others:
RoHS

Order Information

FEP-0531

Package Contents

FEP-0531
Power adapter with power cord
Quick Installation Guide

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