levelone

FEP-0311

3-Port Fast Ethernet PoE Switch, 2 PoE Outputs

User's Manual

FCC Warning

This device has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of FCC Rules.   These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Mark Warning

This is a Class A product.   In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Energy Saving Note of the Device

This power required device doesn't support Standby mode operation. For energy saving, please remove the power cable to disconnect the device from the power circuit. Without removing power cable, the device will consume power from the power source.

WEEE Warning

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste; WEEE has to be collected separately.

Package Contents

Thank you for purchasing our FEP-0311 series PoE Switch.

Before installation, please check the contents of your package for the following parts:

1. FEP-0311 x 1
2. User's Manual x 1
3. Power Adaptor x 1
4. Power cord x 1
5. Rubber Feet x 4

Product Introduction

The FEP-0311 series is a 2-Port Adjustable 10/100Mbps 802.3af/at Power over Ethernet + 1-port 10/100Mbps Uplink switch with a total power of 36/65/90 watts.

FEP-0311 series features IEEE 802.3af and IEEE 802.3at High Power PoE capabilities that offer a combined power output of upto 30w over Cat.5e/6 Ethernet cable. FEP-0311 series is flexible to adjust PoE on/off via DIP switch on device itself. Meanwhile, the PoE output could supply 60 watts. max. to powered device when only one PoE port is enabled.   Furthermore, users could also extend wire coverage up to 600 meters with PoE extender or PoE repeater in the network.

Key Features

- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u, 100BASE-TX
- Complies with IEEE802.3af/at Standard
- 3-Port 10/100Mbps Fast Ethernet Switch
- 2-Port supports Power over Ethernet
- Supports PoE power up to 50 watts for each PoE port
- External Power 36/65/90Watts
- Could supply 50 watts max. PoE output when *only* one PoE port is enabled
- PoE on/off selectable via a DIP switch on the unit
- Over Current Protection / Over Temperature Protection / Over Voltage Protection
- Remote power feeding up to 100meters
- Could extend up to 600 meters with PoE Extender or PoE Repeater in the network
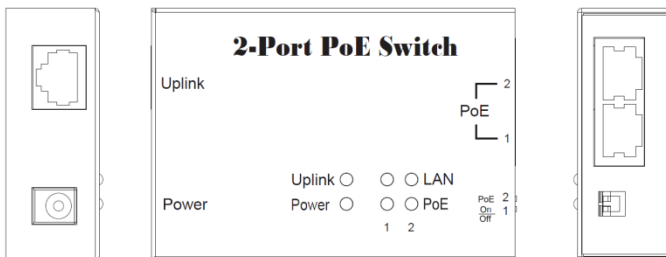- Made of metal and desktop / wall-mount design

Hardware Installation

1. Plug the included power cord into device and the other end into an electrical socket. The **"Power"** LED will be on
2. Connect other switch / PC / device to Uplink port. **"Uplink"** LED is on
3. Connect your IEEE802.3af/at compliant Powered Devices (PD) to port 1 to 2 and the Switch will automatically supply power through these ports. Now, "**LAN**" and "**PoE**" LED indicator are on.

Note: *The device provides Physical DIP Switch to control PoE on/off. When the DIP switch is set at "off" location, it will send data only. However, if the DIP switch is set at "on" location, it will deliver power and data together to PD devices. It is suggested to set DIP switch before plug-in Ethernet Cable.*

4. Ensure Powered device is on. If not, please make sure all Ethernet cables are connected correctly and tightly.
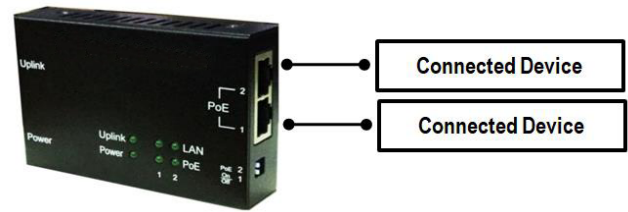

Note: *The device is a power-required device, meaning it won't work till it is powered. If your networks should be active all the time, please consider using UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network downtime. In some areas, installing a surge suppression device may also help to protect your FEP-0311 from being damaged by unregulated surge or current to the FEP-0311.*
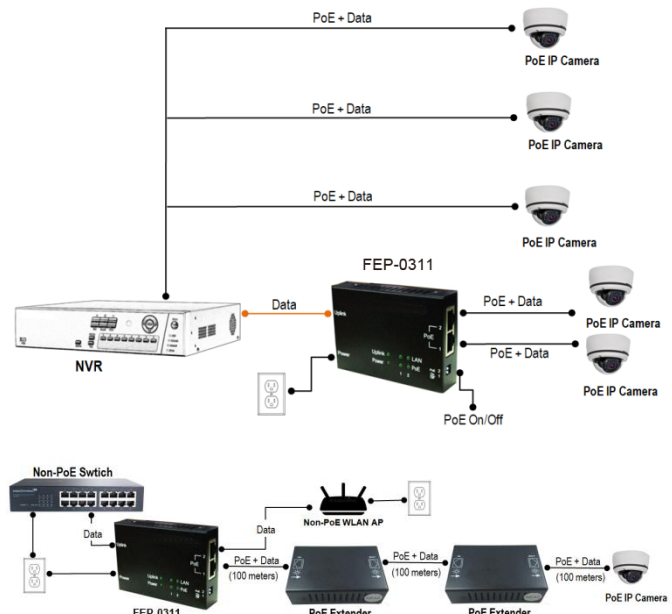
LED Indicators

LED Indicator	Color	Status	Function
Power	Green	ON	Switch is on
		OFF	Switch is off
Uplink	Green	ON	Port is connected to device at 10/100Mbps
		Flashing	Port is active for data sending/receiving
LAN	Green	ON	Port is connected to device at 10/100Mbps
		Flashing	Port is active for data sending/receiving
PoE	Green	ON	PoE function is enabled
		OFF	PoE function is disabled. It acts as a regular LAN port.

Note: *There are three different LED behaviors when FEP-0311 series connects to PoE device or non-PoE device.*

PoE (On/Off)	Connected Device	LAN LED Behavior	PoE LED Behavior
On	PoE Device	On	On
Off	PoE Device	Off	Off
Off	Non-PoE Device	On	Off

Application Diagram

Product Specification

Standard	IEEE 802.3 10Base-T
	IEEE 802.3u100Base-TX / 100Base-FX
	IEEE 802.3x flow control and back pressure
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
Copper Ports	3 10/100BASE-T RJ45, auto-MDI/MDI-X
PoE Injector Port	2 ports with 802.3at/af
Switch Architecture	Store-and Forward
Address Table	4K entries, Automatic source address learning
Share Data Buffer	48KB
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Filtering/Forwarding Rates	10Mbps port-14,880pps 100Mbps port-148,800pps
PoE Standard	IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus
PoE Power Supply Type	Mid-span
PoE Power Output	Per Port 48~56V DC, Max. 50 watts
Power Pin Assignment	4/5(+), 7/8(-)
Total Power	36/65/90 watts
LED Indicators	Power / Uplink / LAN 1~2 / PoE 1~2
Dimension (W x D x H)	90 x 56 x 23 mm
Power Requirement	48-56VDC / 50-60Hz External Power Adapter
Certification	FCC/CE
Operating Environment	Operating temperature: 0 – 40°C Storage temperature: -20 – 70°C Humidity: 20 – 95% non-condensing