FEP-1601

16 FE PoE Switch

User Manual

1. Introductions

Thank you for purchasing the **16-Port PoE Switch**.

The **16-Port PoE Switch**, is a 16-port 10/100Mbps Fast Ethernet Switch with Power over Ethernet capability.   With 16 dip switches, each PoE port can be manually set for On-Off control.   16-Port PoE Switch supports up to 15.4W/30W on each LAN port when the corresponding port DIP switch is set ON.

The **PoE Switch** supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection.   For each port if the power is drawed more than 15W, the PoE and LED indicator will be OFF.   PoE will NOT be ON until the Ethernet Cable is pulled off.
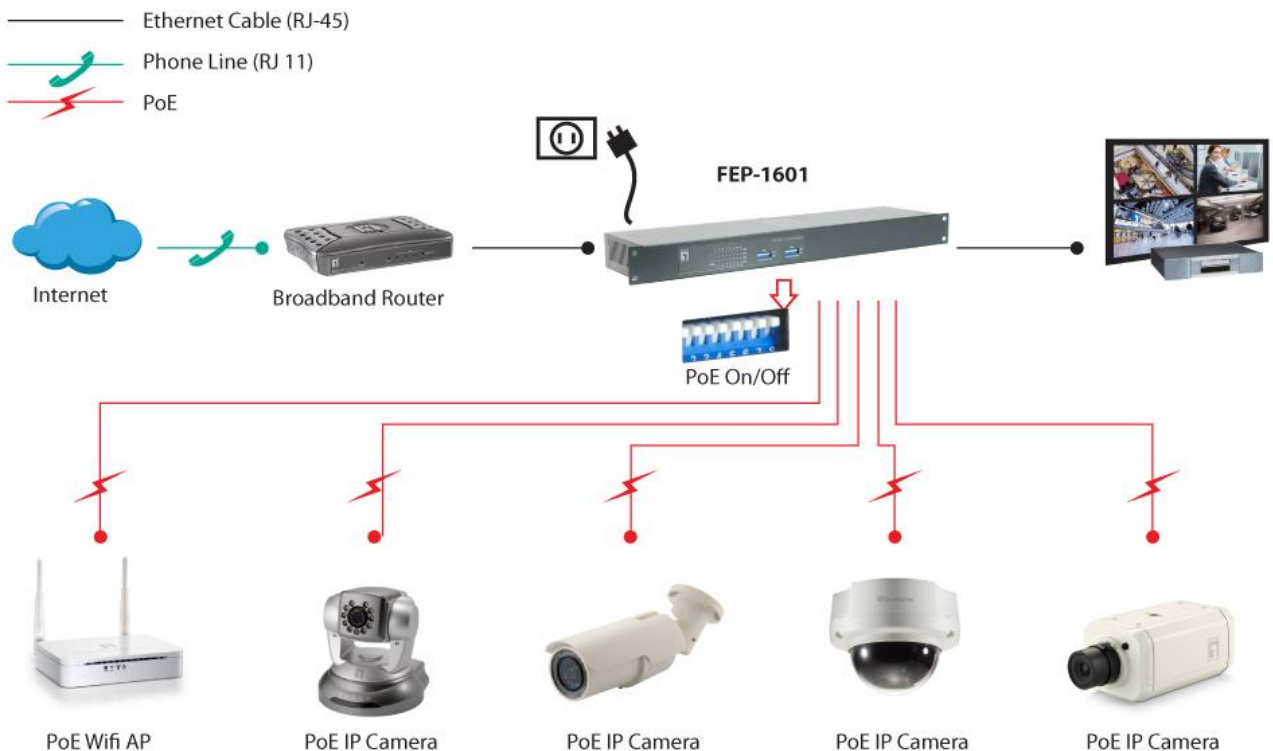
2. Installation

2-1 Connects power cord to power outlet and power jack of PoE Switch.   Switch on the power input.

2-2 Connects the PoE PD device to the any port # 1~16 via LAN cable. Switch PoE DIP on specific port. (PoE DIP default all Off).

2-3 Connect any port# 1~16 to uplink LAN Switch as application below.

3. Packing Contents

Inside the package you shall find:

(1) 19" 16-Port FE PoE Switch

(2) Power Cord

(3) User Manual

Please check if the packing is damaged or any component is missing. If so, please contact your distributor.

4. Technical Specifications

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3x Flow Control
	IEEE 802.3af /midspan PoE compliant
Features	MAC Address: 2K
	Buffer Memory: 512K bits
	Transmission Method: Store and Forward
Filtering/Forwarding Rates	100Mbps port - 148,800pps
	10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP
	100BaseTX Cat. 5 UTP/STP
PoE on each Port	15.4W/30W
Output PoE Pin	4, 5, 7, 8
LED Indicators	Per Port: Link/Act with 10/100M, PoE ON/OFF
	Per Unit: Power
Power Input	100-240VAC, 50~60Hz
Dimensions	440 (without holder) x 118 x 38 mm (L x W x H)
Weight	2.2 kg
Operating Temperature	0 to 50℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

5. LED Indicators

On the front panel of 16-Port PoE Switch, there are 33 LED indicators as the following;

POWER: "**Green On**" indicates power is on and normal.

LINK: "**Green On**" indicates each Ethernet LAN port is in connection.
"**Fast Flashing**" indicates each Ethernet LAN data activities at 100M.
"**Slow Flashing**" indicates each Ethernet LAN data activities at 10M.

PoE: "**Green On**" indicates Power over Ethernet function is enabled for each port.
"**OFF**" indicates the PoE is disabled, and it becomes a regular LAN port.

6. Dip Switch Settings vs Power over Ethernet

	1 ~ 16 ports DIP ON
Per PoE Port	**15.4/30WWatts Injected**
Maximum PoE Power	**240 Watts**

Note that the dip switches can be switched ON and OFF anytime.   However, it is suggested that the dip switches be set ready before the PoE port is connected for power management.

The device will be re-started if the overall PoE power consumption is over the power budget.   Please make less PoE ports enabled when over the power budget.