levelone

FEP-0631 PoE Switch

(4*10/100M PoE downlink ports, 2*10/100M uplink ports)

User manual v 1.0

■ Overview

FEP-0631 unmanaged switch that supports up to 4*10/100M PoE ports and 2*10/100M uplink ports. 4*10/100M ports support PoE+, conforming to IEEE 802.3af/at standard, single port PoE power up to 30W, the maximum whole machine power is 60W.It provides three modes, Extend, Default and VLAN, to adapt to various complex environments. At the same time, it supports the PoE Auto-check function, which is specially designed to solve the problem of equipment frozen and restart the frozen equipment automatically, which greatly reduces the difficulty of project maintenance.
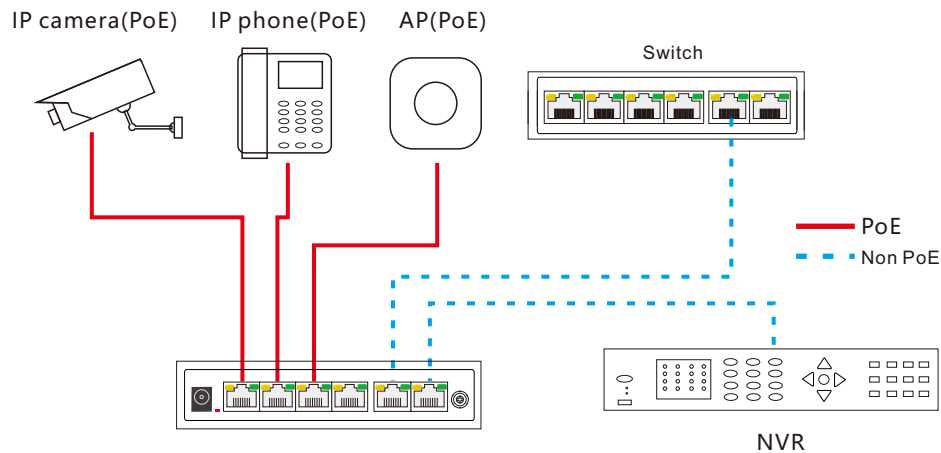
It has a high anti-interference ability, the product supports 6KV surge protection, and 6KV contact / 8KV air ESD protection.

It supports wall hanging and desktop installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.
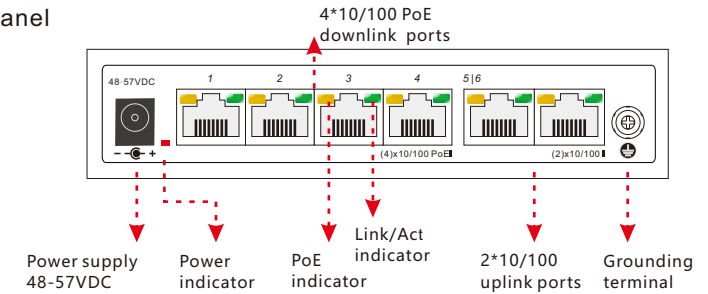
■ Feature

- With 4*10/100M PoE downlink ports and 2*10/100M uplink ports;
- The maximum PoE power of single port is 30W, and the maximum PoE power of the whole machine is 60W;
- Provides three modes of Extend, Default and VLAN to adapt to various complex environments;
- Supports PoE Auto-check function, which is specially designed to solve the problems of equipment frozen. It can automatically detect the frozen PD equipment and restart the ports' output of PSE, and restart the PD device. It greatly reduces the maintenance difficulty of engineering;
- 6KV surge protection, 6KV contact / 8KV air ESD protection.
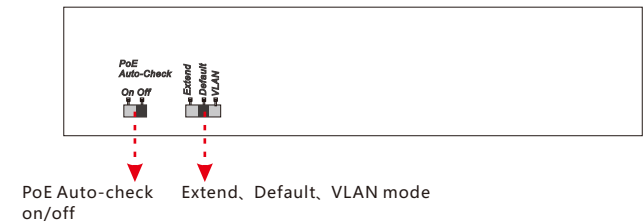
■ Application

IP camera(PoE)   IP phone(PoE)   AP(PoE)   Switch

PoE
Non PoE

NVR

■ Panel diagram

● Front panel

4*10/100 PoE downlink ports

Power supply 48-57VDC   Power indicator   PoE indicator   Link/Act indicator   2*10/100 uplink ports   Grounding terminal

⚠ **Attention 1：** This product must be well grounded against lightning, please use better than 20# cable to connect the grounding terminal and ground.
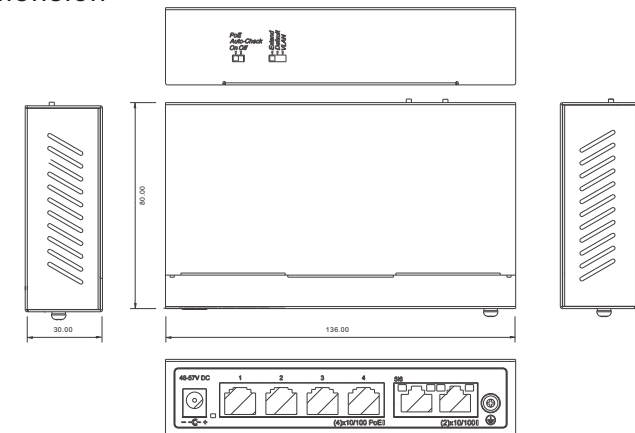
● Back panel

PoE Auto-check on/off   Extend、Default、VLAN mode

⚠ **Attention 2：**
Extend, Default, VLAN mode: It can be selected by dip switch.
Extend: 1~4 ports Max. 250m transmission; 1~4 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control.
Default: Normal switch.
VLAN: 1~4 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control.

⚠ **Attention 3:**
POE Auto-check: PoE Auto-check fuction is open/ closed by dip switch.
The switch always auto detect 1~4 ports whether frozen, if some ports are frozen, the switch will restart them, but other ports are unaffected.
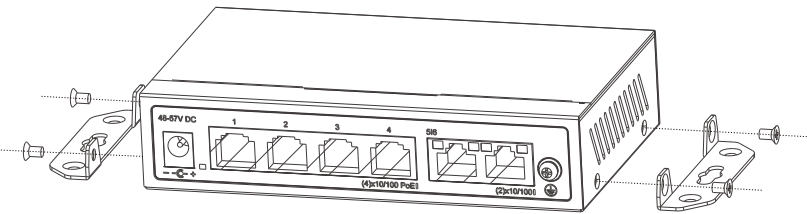
■ Structure dimension

■ Package list

Please check the following items before installation,if any missing , please contact your local dealer.

FEP-0631	1 pc
Power adaptor+AC cable	1 set
Wall hanger+screw	1 set
User manua/QIGl	1 pc

■ Installation

● Installation on the wall

1) Use the screws to fix the hanger, follow the figure below;
2) Drill holes on a strong position of wall and then drive the rubber plug into the hole;
3) Drive these screws into the holes.

● Installation step

Please follow the following steps(take video monitoring for example);

1) Please turn off the signal source and the device's power, installation with power on may damage the device;
2) Use 4 pcs network cables to connect 4 pcs IP cameras with the product's 1~4 RJ45 ports;
3) Use 1 network cable to connect port 5 with NVR, another network cable to connect port 6 with other switch;
4) Connect switch with power adapter;
5) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
6) Make sure every network device power supply works normally.

■ Specification

Item		
Power	Power supply	Power adapter
	Range of voltage	DC48V~57V
	Consumption	Self-consumption<5W, PoE output Max.60W
Ethernet ports parameter	Ethernet ports parameter	1~4 ports: 10/100Base-TX 30W PoE RJ45(IEEE802.3af/at PSE) 5~6 ports: 10/100Base-TX RJ45
	POE Auto-check	If detect PD device frozen, restart the device
	Working mode	Extend: 1~4 ports Max. 250m transmission, 1~4 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control. Default: common switch. VLAN: 1~4 ports are isolated, only can communicate with the uplink ports; restrain the network storm; close flow control.
	1~4 PoE ports	Support IEEE 802.3af/at, end-span, single port≦30W
	Cable and distance	Use cat5e/6, 100m max.(Extend mode max.250m)
Switch parameter	Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
	Switch fabric	1.2Gbps
	Thoughput	0.9Mpps
	Buffer	448K
	MAC address table	1K
Indicator	Power	1 *red
	Uplink5, 6	On RJ45 yellow and green LEDs indicate Link/Act
	Downlink 1~4	On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge	6KV, standard: IEC61000-4-5
	ESD	6KV: contact / 8KV: air, standard: IEC61000-4-2
Enviroment	Working temperature	-10℃~50℃
	Storage temperature	-40℃~85℃
	Humidity	0~95%(No condensation)
Structure	Dimension(L×W×H)	136mm×80mm×30mm
	Material	Metal
	Colour	Black
	Net-weight	300g