USER GUIDE

PoE & Optical Transmission

ONV-POE31108PF Sieries

ONV

Statement

Packing List

- 1 PoE switch
- 1 Power Cord / Adapter
- 1 Mounting Kit
- 1 User Guide

Product overview

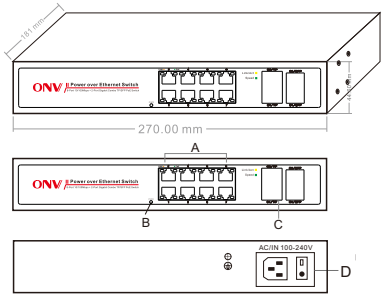
Product Introduction

The sieries PoE switch is featuring with 8* 10/100 Base T(X) PoE Ports (Compatible with IEEE802.3af/at), 2* Gigabit Combo Ports or 2* Gigabit RJ45 Ports. Each port could supply power at 30W（Max）. PoE eliminates the need for connecting these devices to power socket. So it make more flexible for those difficult to connect with AC power socket, and cut down the installation cost. It is ideal choice for those want to deploy a small commercial network and home network that use wireless access point (AP) and IP-based surveillance cameras.

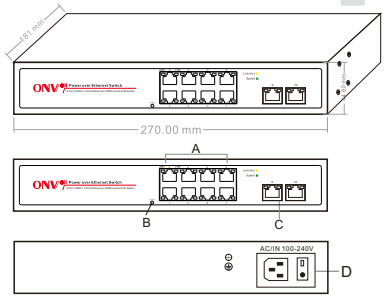
Feature

- Comply to IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3af, IEEE802.3at standards;
- Support 10/100 or 10/100/1000M auto-sensing RJ45 ports
- All ports support auto-flip (Auto MDI/MDIX);
- Each PoE port can provide power up to 15.4W (af) or 30W (at);
- Supply power for powered devices compatible with IEEE802.3af/at;
- Support IEEE802.3x full duplex flow control and duplex backpressure flow control;
- backplane bandwidth:5.6G(POE31108PF&POE31108P); 64G(POE31108PF)
- MAC address:16K
- Its 3.5KV network port surge protection can adapt to harsh outdoor environment;
- Under the temperature of -20 ~ 55℃.

Technical Structure and Port Description



A. PoE Power Port
B. Power Working Status Light
C. Combo ports (SFP/RJ45)
D. 100-240VAC, 50/60Hz



A. PoE Power Port
B. Power Working Status Light
C. Up-link Gigabit Combo Port
D. 100-240VAC, 50/60Hz

Indicator description:

Indicator	Status	Description
Power Indicator: PWR	Green LED ON	Normal
	OFF	Power OFF
PoE Indicator: PoE	Green LED ON	Connected PD, working properly
	Green LED Blink	Short circuit or current overload
	OFF	No Connected PD or Power OFF
100/1000M Indicator: Act/Link	Yellow LED Blink	Data transmission properly
	Yellow LED ON	Network link is connected normally
	OFF	No connected network device
SPD Indicator: 1000M	Green LED ON	Connected with 1000Mbps network device
	OFF	Connected with 10/100Mbps network device

⚠ **Note**：Please confirm that the all the PD devices are complying with IEEE802.3af standard.

PoE Priority: This function will protect the switch when it is overloaded, if all devices consumption are higher than specified, switch ports will be sorted by priority, Port 1, Port 2, Port 3, etc. Then the power supply of lowest priority will be turned off.

Power Plug / Adapter: Please only use the included power supply as the switch may be damaged if mismatched power is applied.

PoE Port Indicator Lights: There are indicator lights on the front panel that will show you if the switch is supplying power to a PoE capable device.

Network Traffic Indicator Lights: There are lights on the front panel that will show if your plugged in device is transmitting / receiving network data at an appropriate rate.

Installation guide

Please install with the supporting devices.

Installation

Please confirm the following things before installation:

1. If the POE ports meets the power requirement of the connecting devices.
2. If the POE standard requirements and power supply matches with the power receiving device (1/2+ 3/6-(End -span))
3. If the output power of the matched power adapter is compatible with the specification in the label of the POE switch

Please install the POE switch according to the following steps:

1. Put the PoE switch on the surface of a large and stable table.
2. Plug the power adapter into the power connector, and then connect the power outlet through the power cord.
3. Connect the network devices to the POE switch port with network cable.

⚠ Note

1.Please do not put heavy products on the POE switch, and please ensure good ventilation environment for the POE switch.
2.Please cut off the power first before plugging the power adapter.

Power

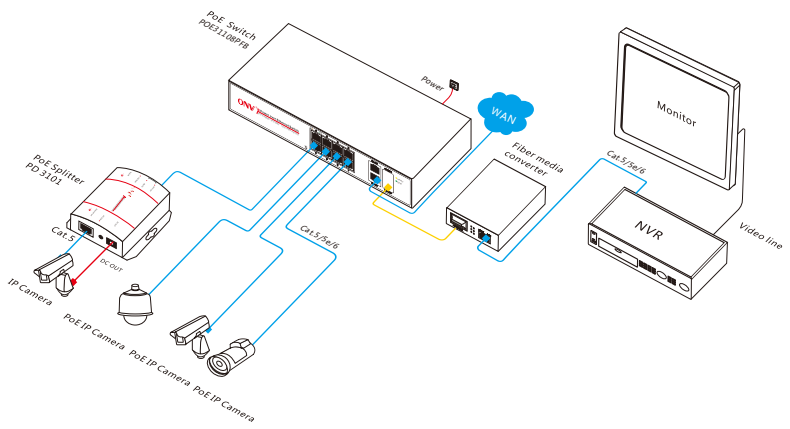
Connect the power cable, plug it into power socket, turn on the power, then the switch will automatically initialize, and LED lights status will display as following:

1 All lights will flash brightly except for the PoE ports, which means a successful power boot has occured.
2 Power LED remains lit.

⚠ Note

If initialization is inconsistent with the above, please check the power.

Connection Diagram



Model Descriptions and Installation

ONV-POE31108PFB: 8x 10/100M ports +2* Gigabit Combo Ports PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 130W.

ONV-POE31108PFB-at: 8x 10/100M ports +2* Gigabit Combo Ports PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 250W.

ONV-POE31108PFM: 8x 10/100M ports +2* Gigabit Combo Ports managed PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 130W.

ONV-POE31108PFM-at: 8x 10/100M ports +2* Gigabit Combo Ports managed PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 250W.

ONV-POE31108P: 8x 10/100M ports +2x 10/100M Uplink port PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 130W.

ONV-POE31108P-at: 8x 10/100M ports +2x 10/100M Uplink port PoE switch, 1-8 port support PoE, IEEE 802.3af/at, Max PoE power for each port ups to 30W, total power is 250W.

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