USER GUIDE

PoE & Optical Transmission ||||||||||||||

ONV-POE31108PFG Series

ONV

Packing List

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

Product overview

Product Introduction

The ONV-POE31108PFG series is a unmanaged PoE switch independently developed by ONV. with 8*10/100M POE ports support IEEE 802.3af/at standard PoE power supply .single port PoE power reaches 30W, and the maximum PoE output power of the whole machine is 130W (at-250W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webca , VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprises.

Feature

➤ Conforms to the IEEE802.3,IEEE802.3u,IEEE802.3ab,IEEE802.3z,IEEE802.3af,IEEE802.3at standard;
➤ Support 10/100M.10/100/1000M adaptive RJ45 port,support PoE power supply standard;
➤ Each port support（Auto MDI/MDIX);
➤ Single port PoE power up to 15.4W(af)/ 30W(at);
➤ Provides Power over Ethernet to powered devices that comply with the IEEE802.3af/at standard; Conforms to the IEEE802.3af/at standard PD device support Ethernet;
➤ Support full duplex based on IEEE802.3x and half duplex based on backpressure;
➤ Switching Capacity:11.8Gbps;
➤ Mac address table:3K
➤ 4KV Ethernet port surge protection that can adapt to harsh outdoor environments;
➤ Full load 240W at -20 ~ 55℃

Technical Structure and Port Description
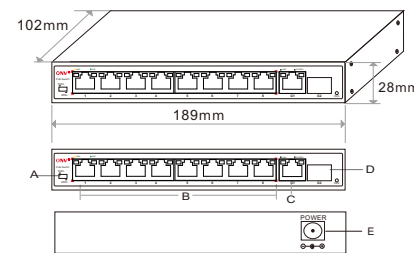
A. Multi-functional switch
B. 8* PoE Port   C. 1*Gigabit Uplink port   D.1*Gigabit SFP Port
E. Power input port DC48V
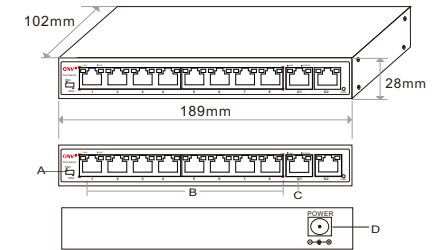
A. Multi-functional switch
B. 8* PoE Port   C. 2*Gigabit Uplink ports   D.Power input port DC48V

Indicator description:

Indicator	Status	Description
Power Indicator: PWR	Green LED ON	Normal
	Green LED OFF	No connected power
PoE Indicator: PoE	Green LED ON	Connected PD device,working properly
	Green LED BLINK	Short circuit or overload
	Green LED OFF	No connected PD or power off
100/1000M Link Indicator: Link/Act	Yellow LED Blink	Ethernet port data transmission properly
	Yellow LED ON	Ethernet port connection is OK
	Yellow LED OFF	No connection network device
SPD Indicator: 1000M	Green LED ON	Connected 1000Mbps network device
	Green LED OFF	Connected 10/100Mbps network device

Note: Please confirm that the all PoE ports of PD devices are complying with IEEE802.af/at standard
Priority: This feature protects the system from overload. If the total power consumed by all PoE powered devices is higher than configured, the PoE switch will automatically prioritize the PoE ports.
Port 1>Port 2>Port 3>Port N, and then cut off the power of the lowest priority port.
PoE Port: The PoE ports support PoE function,which can transmit data and power simultaneously if connected matching device. The LED lights on the front panel can show working status of each port.
Ethernet Port: Besides PoE ports, other ports are normal self-sensing Ethernet RJ45 ports which support auto MDI/MDIX,plug and play. the LED lights on the front panel can show working status of each port.

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
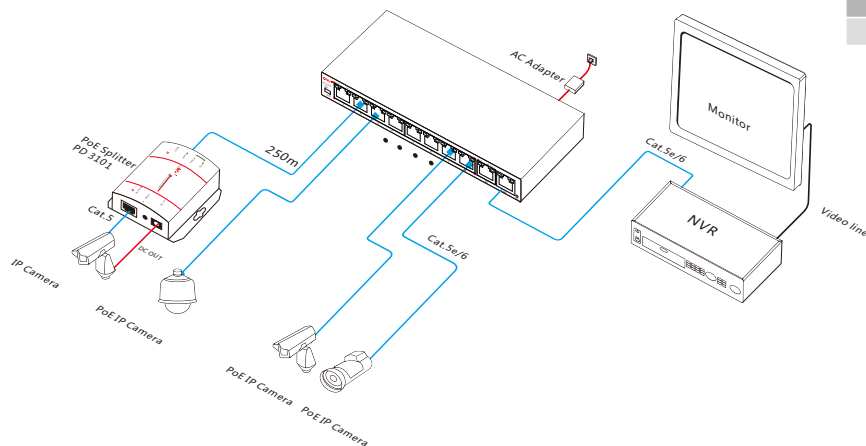
Model Descriptions and Installation

ONV-POE31108PFG：8*10/100M PoE ports+1*10/100/1000M RJ45 port+1*1000M SFP uplink fiber slot port Unmanaged PoE switch, port 1-8 support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 130W,external power supply.
ONV-POE31108PFG-at：8*10/100M PoE ports+1*10/100/1000M RJ45 port+1*1000M SFP uplink fiber slot port, Unmanaged PoE switch,port 1-8 support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 250W,external power supply.
ONV-POE31108PG：8*10/100M PoE ports+2*10/100/1000M uplink RJ45 ports Unmanaged PoE switch, port 1-8 support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 130W, external power supply.
ONV-POE31108PG-at：8*10/100M PoE ports+2*10/100/1000M uplink RJ45 ports Unmanaged PoE switch,port1-8 support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 250W,external power supply.