USER GUIDE

PoE & Optical Transmission

Unmanaged Gigabit PoE Switch

ONV

Statement

Packing List

Please kindly check the following items:

- 1 xPoE switch
- Power Cable
- Mounting Kits
- 1x User Guide/ Warranty Card

⚠ **Note** If any shortage or damage found, please contact us in time.

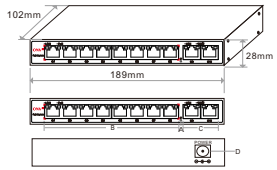
Product Description

The series is a full gigabit unmanaged fiber PoE switch independently developed by ONV. It has 8/10*10/100/1000M RJ45 ports, Port1-7/8can support IEEE 802.3af/at PoE standard,single port PoE power up to 30W, Total power 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 automatically detect and identify the the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment etc. In addition, it is suitable for networking system of hotel, campus, dormitory and small&medium enterprise etc.

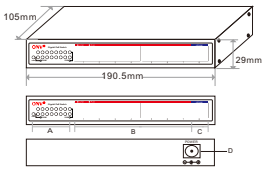
Features

- All series supports "gigabit RJ45 port and Gigabit SFP port" combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire speed forwarding
- Support full duplex based on IEEE802.3x and half duplex based on Backpressure
- IEEE802.3af/at, auto-sensing PoE standard of terminal device. The maximum PoE output power is 130W(at-250W), and the maximum PoE output power of a single port is 30W.
- The PoE port supports the priority mechanism. When the remaining power is insufficient, the power supply of the high-priority port is preferentially guaranteed to prevent the device from being overloaded.
- The host has low power consumption, no fan mute design, aluminum alloy metal shell, excellent heat dissipation, and ensure stable operation of products.
- The user can easily understand the working status of the device through the power indicator (PWR), port status indicator (Link,L/A), and POE operation indicator.

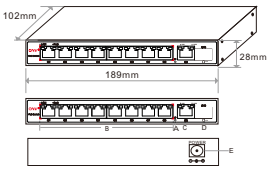
Structure and Port Description



A. 电源指示灯 B.8个PoE供电口
C. 千兆上联网口 D. DC电源接口



A.工作指示灯 B.7个全千兆PoE供电口
C.UP LINK千兆上联口 D. DC电源接口



A. 电源指示灯 B.8个PoE供电口
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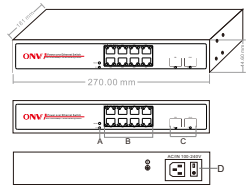
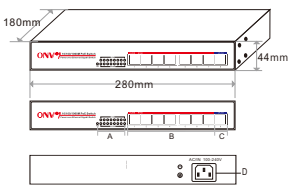
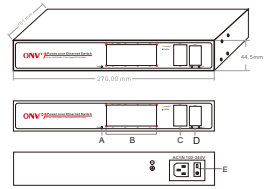
E.DC电源接口



A. 工作指示灯 B.8个PoE供电口
C. 千兆上联光口 D.100-240VAC, 50/60Hz



A.工作指示灯 B.7个全千兆PoE供电口
C.UP LINK千兆上联口 D. AC100-240V,50/60Hz



A.工作指示灯 B.8个PoE供电口
C.上联千兆电口 D.上联千兆光口
E.AC100-240V,50/60Hz

Indicator & Panel Description

Indicator	Status	Description
Power Indicator: PWR	Green LED ON	Normal
	Green LED OFF	Power off
PoE Indicator: PoE	Green LED ON	Connected PD device, working properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or power off
Link/ACT Indicator	Yellow LED ON	10/100M corresponding port has data transmission
	Yellow LED Blink	10/100M port connected & data send/receive properly
	Yellow LED OFF	No connection
SFP Indicator:L/A	Green LED ON	Corresponding port has data transmission
	Green LED Blink	Connect correctly & data send/receive properly
	Green LED OFF	No connection

⚠**Note :** Please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.

POWER :48(46-57V) DC ,Power adapter, AC100 ~ 245V, 50/60Hz

PoE Port: With function of Power over Ethernet, 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.

Installation

Please install to the supported devices.

Installation

Please confirm the following things before installation:
1. If the POE port meets the power requirement of the connecting devices.
2. If the POE standard requirement and power supply matches with the power receiving device (1/2+,3/6-(End -span)/ 4/5+,7/8-(Mid-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, or professional industrial installation rank mount.
2. Connect power to the PoE switch.
3. Link network devices to the PoE switch port though 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.

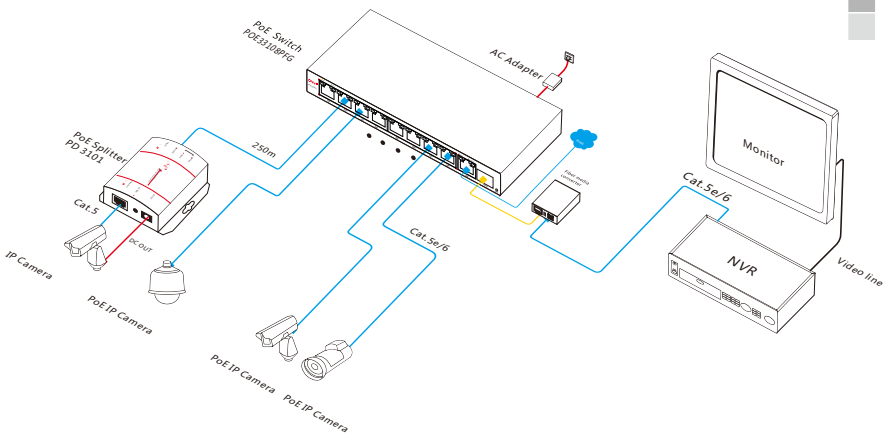
Power

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 Except the POE port lights, all the other lights will go through the process of “on-off-on-off”, which means the system restoration is successful.
2 Power LED remains lit.

⚠ Note

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

Application Connection Diagram



Models Description and Others

ONV-POE33007P: Unmanaged PoE power switch with 8*10/100/1000M RJ45 ports. Port 1-7 can support IEEE 802.3af/at PoE standard, external 110W power supply .

ONV-POE33007PN(at): Unmanaged PoE power switch with 8*10/100/1000M RJ45 ports. Port 1-7 can support IEEE 802.3af/at PoE standard.Built-in 130W(at-250W), power supply, Support 1U/19 inch rack installation.

ONV-POE33108P(at): Unmanaged 8*10/100/1000M PoE port+2*10/100/1000M Uplink RJ45 ports PoE power supply switch,1-8 ports support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 130W(at-250W),external power supply.

ONV-POE33108PF(at): Unmanaged 8*10/100/1000M PoE ports+1*10/100/1000M RJ45 port+1*1000M SFP uplink fiber port slot,PoE power supply switch,1-8 ports support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 130W(at-250W), external power supply.

ONV-POE33108PFG(at): Unmanaged 8*10/100/1000M PoE ports+1*10/100/1000M RJ45 port+1*1000M SFP uplink fiber port slot,PoE power supply switch,1-8 ports support IEEE 802.3af/at PoE international standard, the total power of the whole machine is 130W(at-250W), external power supply.

ONV-POE33128PF(at): Unmanaged PoE switch with 10*10/100MRJ45 ports and 2*1000M uplink SFPports, Port 1-8 can support IEEE802.3af/at PoE standard . Built-in 130W(at-250W) power supply. Support 1U/19-inch cabinet installation.

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