

Product Datasheet

9-port 10/100M PoE Fiber Switch

ONV-POE31008PFN



OVERVIEW

The ONV-POE31008PFN is an unmanaged PoE fiber switch independently developed by ONV. It has 8*10/100M RJ45 ports and 1*155M SC slot port. Port 1-8 can support IEEE 802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 130W. 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 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.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 10/100Mbps access, SC uplink

- ◇ Provides 8*10/100Base-TX RJ45 ports and uplink SC port for easy long distance transmission, which facilitates flexible networking and meets network requirements for various scenarios.
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

■ Smart PoE power supply function

- ◇ 8*10/100Base-TX PoE ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.

■ Stable and reliable, Easy to operate

- ◇ CCC,CE, FCC, RoHS.
- ◇ Plug and play, no configuration, easy to maintain.
- ◇ Low power consumption and low noise, galvanized steel shell, No fan.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of P, Link, PoE.

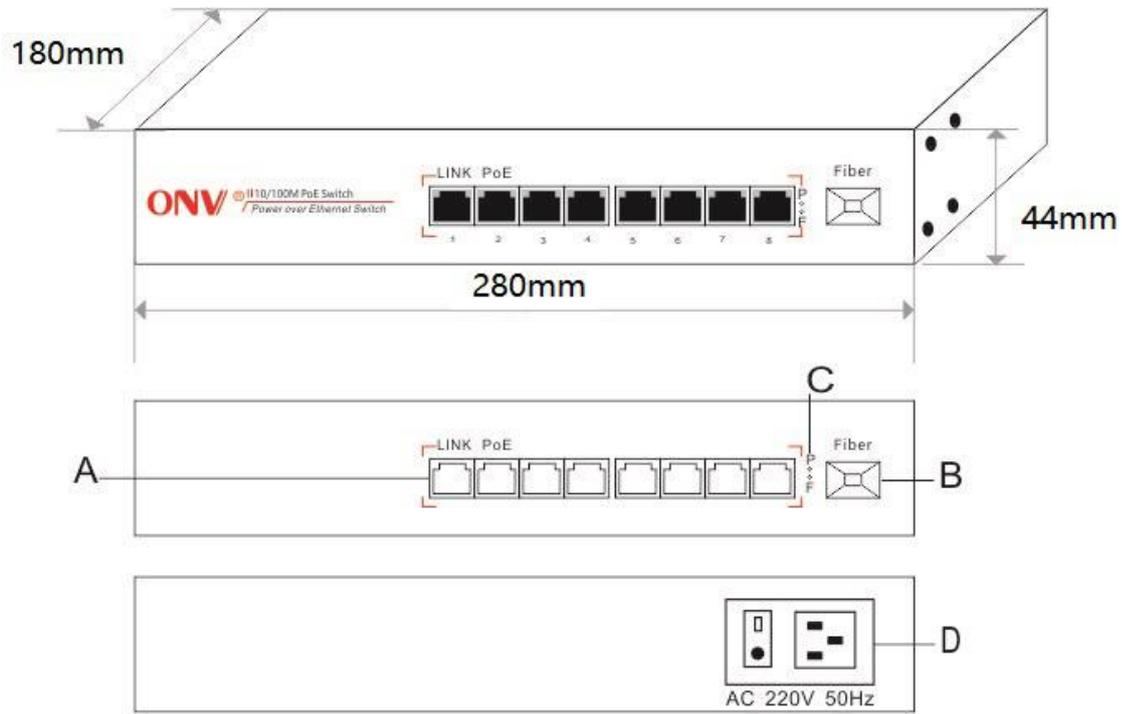
TECHNICAL SPECIFICATION

| Model | ONV-POE31008PFN | ONV-POE31008PFN-at |
|----------------------------------|--|--------------------|
| Interface Characteristics | | |
| Fixed Port | 8*10/100Base-TX PoE ports (Data /Power) 1*155M 100Base-FX uplink SC port (Data) | |
| Ethernet Port | Port 1-8 support 10/100 Base-T(X) auto-sensing, full/half duplex | |

| | | |
|---------------------------|---|--|
| | MDI/MDI-X self-adaption | |
| Twisted Pair | 10BASE-T: Cat3,4,5 UTP(≤100 meter) | |
| Transmission | 100BASE-TX: Cat5 or later UTP(≤100 meter) | |
| Fiber Port Feature | The default optical module is single-mode dual-fiber 20km, SC port | |
| Optical Cable / Distance | Multi mode: 850nm/ 0~550M, single mode: 1310nm/ 0~40KM, 1550nm/ 0-120KM. | |
| Chip Parameter | | |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX IEEE802.3x | |
| Forwarding Mode | Store and Forward(Full Wire Speed) | |
| Switching Capacity | 1.8Gbps (Non-blocking) | |
| Forwarding Rate@64byte | 1.34Mpps | |
| MAC | 2K | |
| Buffer Memory | 1.25M | |
| Jumbo Frame | 9.6K | |
| LED Indicator | Power: P (green), Network: Link (yellow), PoE: PoE (green) fiber : F (green) | |
| PoE & Power | | |
| PoE Port | Port 1 to 8 IEEE802.3af/at @ POE | |
| Power Supply Pin | Defaul 1/2 (+), 3/6 (-), optional 4/5(+), 7/8(-) | |
| Max Power Per Port | 30W; IEEE802.3af/at | |
| Total PWR / Input Voltage | 130W/ (DC52V) | 250W/ (DC52V) |
| Power Consumption | Standby<5W, Full load<120W | Standby<7W, Full load<240W |
| Power Supply | External power adapter, AC100~240V 50-60Hz 2.3A | External power adapter, AC100~240V 50-60Hz 5A |

| Physical Parameter | | |
|---|---|----------------|
| Operation TEMP / Humidity | -20~+55°C;5%~90% RH Non condensing | |
| Storage TEMP / Humidity | -40~+75°C;5%~95% RH Non condensing | |
| Dimension (L*W*H) | 280*180*44mm | |
| Net /Gross Weight | <1.2kg /<1.8kg | <1.4kg /<2.1kg |
| Installation | Desktop type ,wall mounted,19 inch 1U cabinet installation | |
| Certification & Warranty | | |
| Lightning protection / protection level | Lightning protection: 4KV 8/20us; Protection level: IP30 | |
| Certification | CCC, CE mark, commercial; CE/LVD EN60950, FCC Part 15 Class B, RoHS | |
| Warranty | 3 years, lifelong maintenance. | |

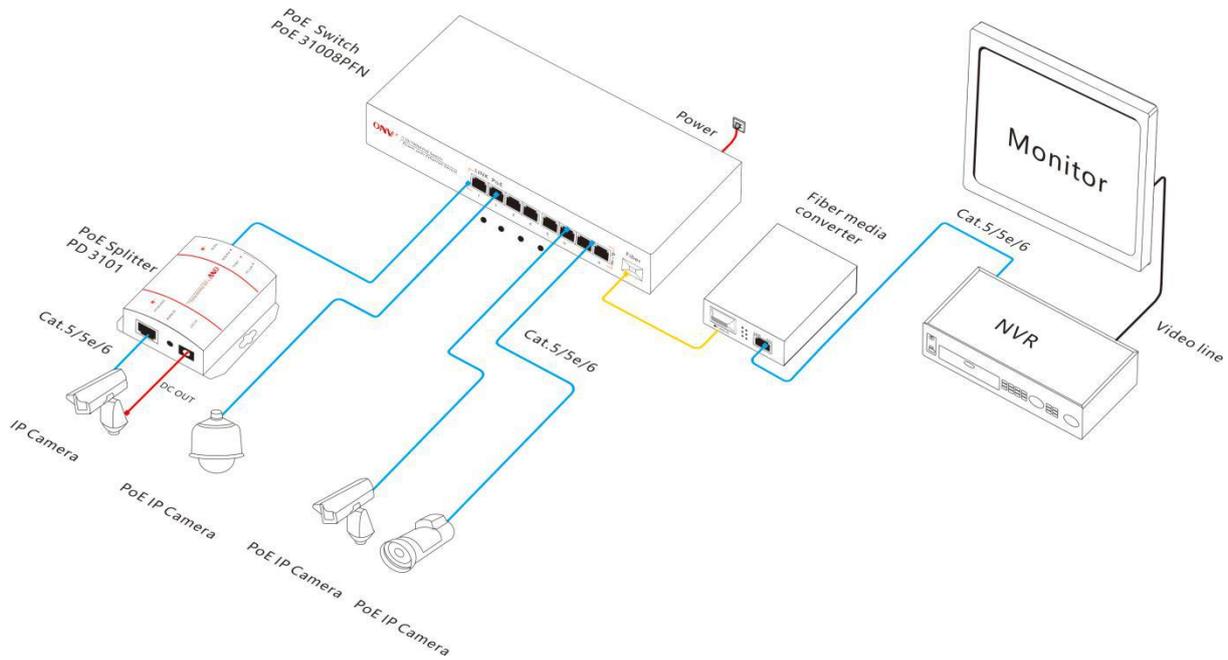
DIMENSION



A. 8*10/100M PoE Ports
C. PoE LED Indicator

B. Uplink Fiber Port
D. AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

| Model | Description |
|--------------------|--|
| ONV-POE31008PFN | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1310nm/20km single mode dual fiber module is configured. External 130W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-at | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1310nm/20km single mode dual fiber module is configured. External 250W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-M | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port. Port 1-8 can support IEEE802.3af/at PoE standard. By |

| | |
|----------------------|---|
| | default, the SC port 850nm/0.5km or 1310nm/2km multi-mode dual fiber module is configured. External 130W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-M-at | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 850nm/0.5km or 1310nm/2km multi-mode dual fiber module is configured. External 250W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-A | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1310nm/20km single mode single fiber module is configured. External 130W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-A-at | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1310nm/20km single mode single fiber module is configured. External 250W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-B | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1550nm/20km single mode single fiber module is configured. External 130W power supply. Support 1U/19-inch cabinet installation. |
| ONV-POE31008PFN-B-at | Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at PoE standard. By default, the SC port 1550nm/20km single mode single fiber module is configured. External 250W power supply. Support 1U/19-inch cabinet installation. |

PACKING LIST

| | CONTENT | QTY | UNIT |
|--------------|---------------------------------|-----|------|
| PACKING LIST | 9-port 10/100M PoE fiber switch | 1 | SET |
| | Power Adapter+AC Power Cable | 1 | SET |
| | Mounting Kits (Hanging ear) | 1 | SET |
| | User Guide | 1 | PC |
| | Warranty Card | 1 | PC |

CONTACT US



OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Website: www.onvcom.com

Zip: 518000

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen, China

Factory Address: The 4-6th Floor, No. 59, HuaNing Road, Xinwei Community, Dalang Street,

Longhua District, Shenzhen, China

