

Product Datasheet

5-port 10/100M bt PoE Fiber Switch

(ONV-POE31004PF-bt)



OVERVIEW

The ONV-POE31004PF-bt is a 10/100M unmanaged bt PoE fiber switch independently developed by ONV. It has 4*10/100Base-TX adaptive RJ45 ports and 1*155M uplink SC fiber port. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard and single-port max output power is 90W. 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 provides stable and safe terminals for PTZ network domes, high-power wireless AP, high-power network multimedia speakers, high-power PoE lighting, etc. through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitories, and small and medium-sized enterprises. Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 10/100M access, uplink SC fiber port

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

- ◇ 4*10/100Base-TX RJ45 ports and uplink SC fiber port for easy long distance transmission, which facilitates flexible networking and meets network requirements for various scenarios.

■ Smart PoE power supply

- ◇ 4*10/100Base-TX RJ45 ports can support bt PoE power, meeting the demand for super high power PoE power supply in various scenarios.
- ◇ Priority system for PoE port, It will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- ◇ The max output power of single-port PoE is 90W and the backward compatibility IEEE 802.3 af/at PoE standard automatically identifies PoE devices for power supply without damaging non-PoE devices.

■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Self-developed power supply, high redundancy, providing a long-term and stable PoE power output.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ Low power consumption, galvanized steel casing, and excellent heat dissipation to ensure stable operation of the switch.

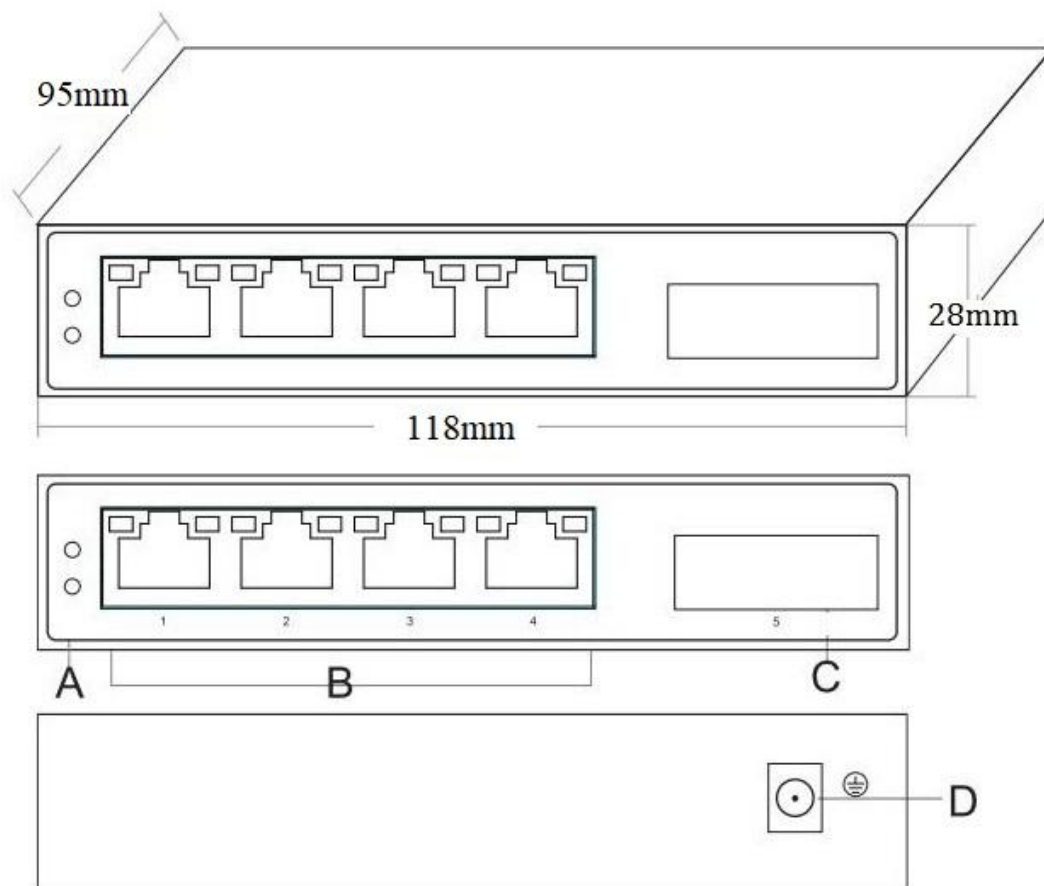
TECHNICAL SPECIFICATION

| Model | ONV-POE31004PF-bt |
|----------------------------------|--|
| Interface Characteristics | |
| Fixed Port | 1*155M uplink SC fiber port (Data) 4*10/100Base-TX bt PoE ports (Data /Power) |
| Ethernet Port | Port 1-4 can support 10/100Base-TX auto-sensing, full/ half duplex MDI/ MDI-X self-adaption |

| | |
|-------------------------------|--|
| Twisted Pair | 10BASE-T: Cat3,4,5 UTP (≤100 meters) |
| Transmission | 100BASE-TX: Cat5 or later UTP (≤100 meters) |
| Fiber Port Feature | Default optical module is single-mode dual fiber 20km, SC port (optional single-mode single fiber and multi-mode dual fiber optical module) |
| Optical Cable / Distance | Multi-mode: 850nm/ 0-500m, 1310nm/ 0-2km Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km |
| Chip Parameter | |
| Network Protocol | IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3u 100Base-FX, IEEE 802.3x |
| Forwarding Mode | Store and Forward (Full Wire Speed) |
| Switching Capacity | 1.6Gbps (non-blocking) |
| Forwarding Rate@64byte | 0.74Mpps |
| MAC | 1K |
| Buffer Memory | 768K |
| Jumbo Frame | 1632bytes |
| LED Indicator | Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), Fiber port: 5 (Green) |
| PoE & Power Supply | |
| PoE Port | Port 1-4 |
| Power Supply Pin | 1/2(+)/3/6 (-) 4/5(+)/7/8 (-) |
| Max Power Per Port | 90W, IEEE 802.3 af/at/bt |
| Total PWR / Input Voltage | 250W / DC52V |
| Power Consumption | Standby<6W, Full Load<240W |
| Power Supply | External power adapter, AC100~240V 50-60Hz, 4.1A |
| Physical Parameter | |
| Operation TEMP / Humidity | -20°C~+55°C, 5%~90% RH Non condensing |

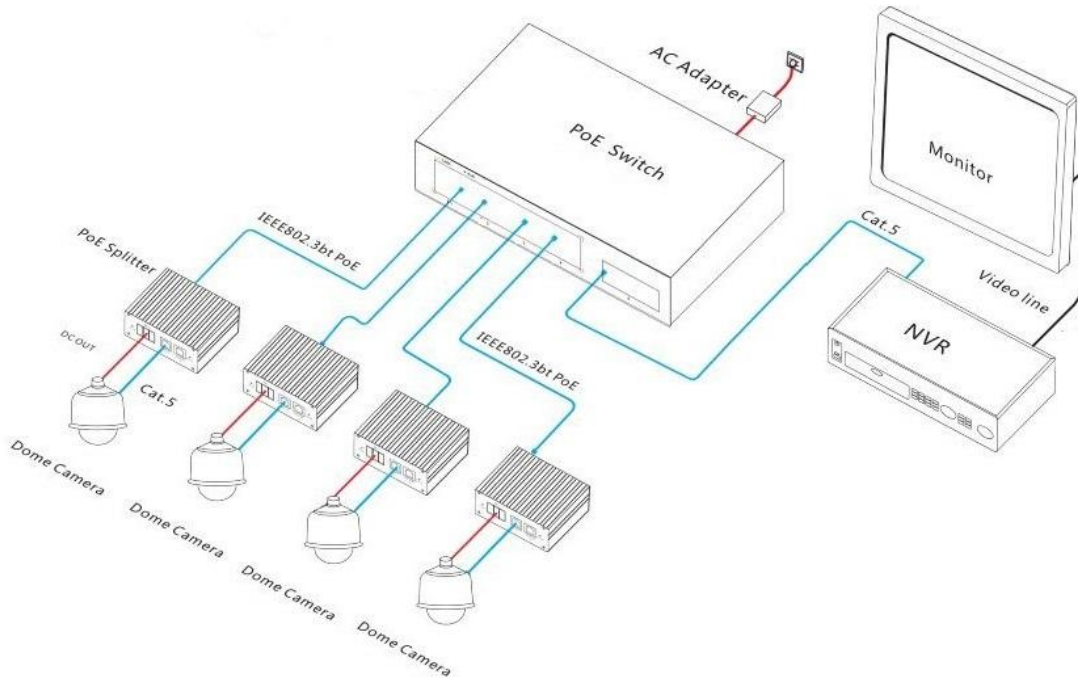
| | |
|-------------------------------------|---|
| Storage TEMP / Humidity | -40°C~+75°C, 5%~95% RH Non condensing |
| Dimension (L*W*H) | 118*95*28mm |
| Net /Gross Weight | 0.35kg /1.35kg |
| Installation | Desktop, Wall mount |
| Certification & Warranty | |
| Lightning Protection | Lightning protection: 4KV 8/20us, Protection level: IP30 |
| Certification | CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS |
| Warranty | 3 years, lifelong maintenance. |

DIMENSION



- A. Working indicator B. 4*10/100M bt PoE ports
 C. 1*155M uplink SFP fiber port D. Power input port DC48-57V

APPLICATION



ORDERING INFORMATION

| Model | Description | External Power Adapter |
|---------------------|--|------------------------|
| ONV-POE31004PF-bt | Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC fiber port (1310nm/20km single-mode dual fiber optical module). Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External power adapter. | 250W |
| ONV-POE31004PF-M-bt | Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC fiber port (850nm/0.5km or 1310nm/2km multi-mode dual fiber optical module). Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External power adapter. | 250W |

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| ONV-POE31004PF-A-bt | Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC fiber port (1310nm/ 20km single-mode single fiber optical module). Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External power adapter. | 250W |
| ONV-POE31004PF-B-bt | Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC fiber port (1550nm/ 20km single-mode single fiber optical module). Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External power adapter. | 250W |

PACKING LIST

| | Content | Qty | Unit |
|--------------|------------------------------------|-----|------|
| Packing List | 5-port 10/100M bt 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 |

RELATED PRODUCT

| Model | Description |
|------------------|--|
| ONV-POE31064P-bt | Unmanaged bt PoE switch with 6*10/100M RJ45 ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power adapter. |
| ONV-POE33064P-bt | Unmanaged bt PoE fiber switch with 6*10/100/1000M RJ45 ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE |

| | |
|--------------------|---|
| | 802.3 af/at PoE standard. External 250W power adapter. |
| ONV-POE33064PF-bt | Unmanaged bt PoE fiber switch with 4*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power adapter. |
| ONV-POE33064PFG-bt | Unmanaged bt PoE fiber switch with 5*10/100/1000M RJ45 ports and 1*1000M uplink SFP fiber port. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power adapter. |
| ONV-POE33108PFG-bt | Unmanaged bt PoE fiber switch with 9*10/100/1000M RJ45 ports and 1*1000M uplink SFP fiber port. Port 1-8 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. Built-in 600W power adapter. |
| ONV-POE33016PF-bt | Unmanaged bt PoE fiber switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-16 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. Built-in 1200W power adapter. |

CONTACT US



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