

## 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 RJ45 ports and 1\*155M uplink SC port. Port 1-4 can support bt PoE and are backward compatible with IEEE 802.3 af/at PoE standard. 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

### ■ 10/100Mbps fast Ethernet access, SC fiber port uplink

- ◇ 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 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 802.3af/at PoE standard automatically identifies PoE devices for power supply without damaging non-PoE devices.

### ■ Stable and reliable

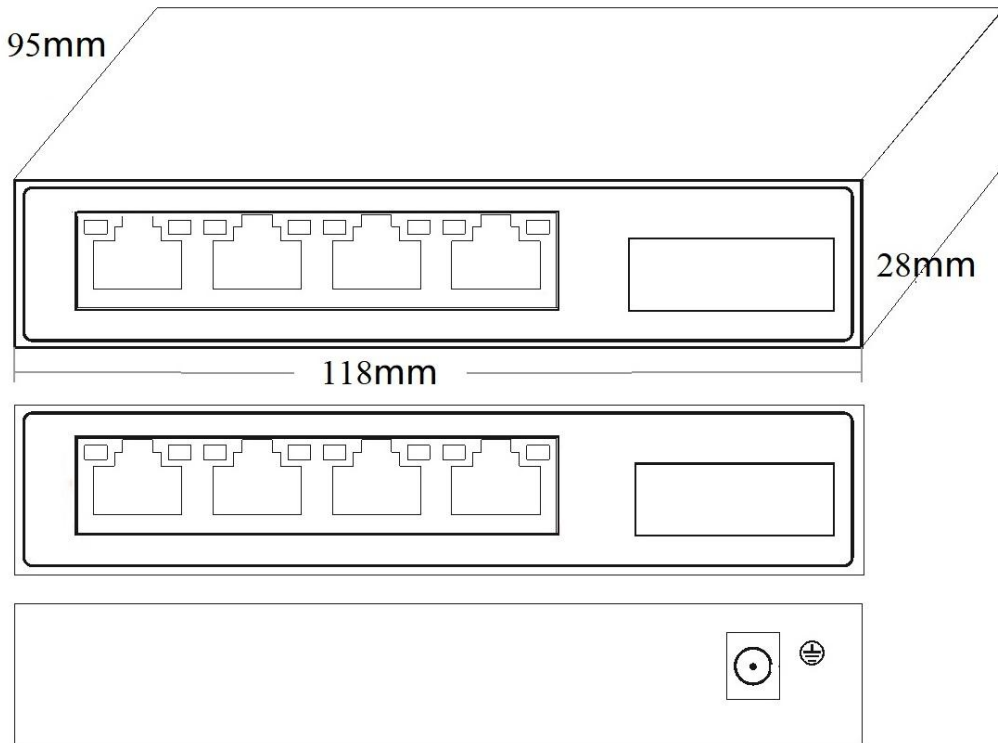
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ Low power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

## TECHNICAL SPECIFICATION

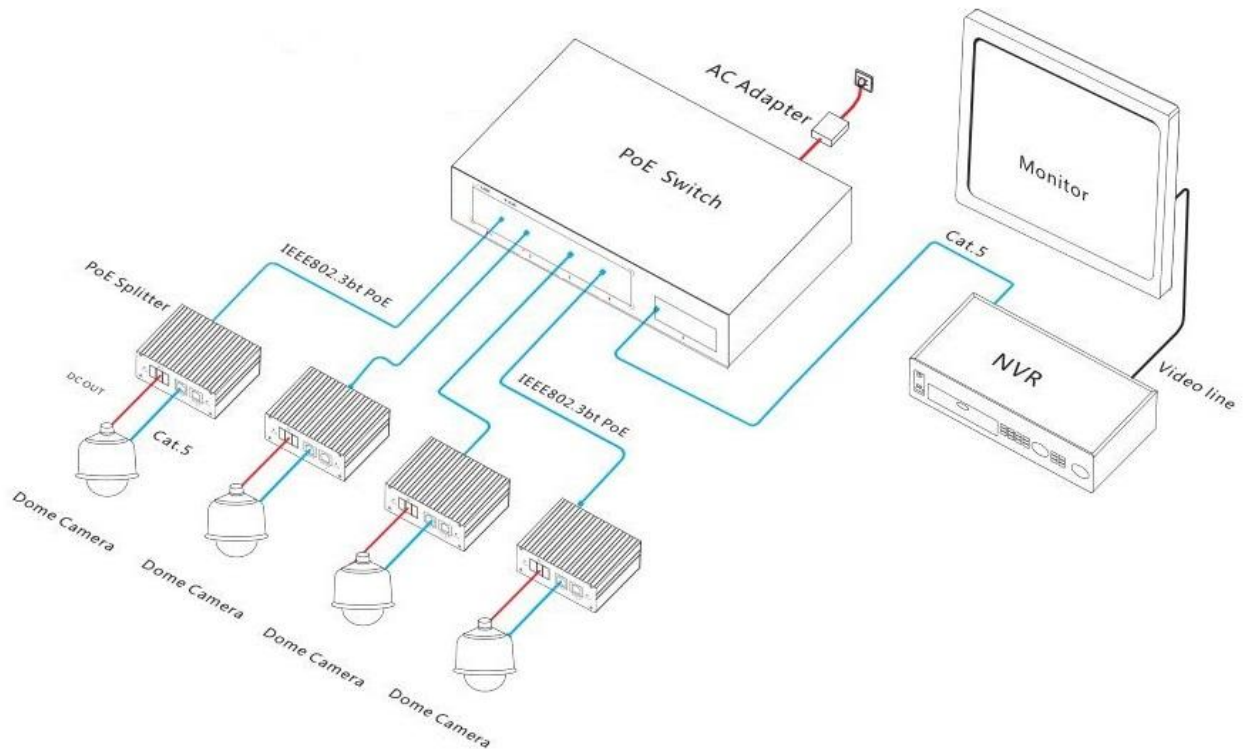
Model	ONV-POE31004PF-bt
<b>Interface Characteristics</b>	
Fixed Port	1*155M uplink SC port (Data) 4*10/100Base-TX bt PoE ports (Data /Power)
Ethernet Port	Port 1-4 can support 10/100Base-TX auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 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.
<b>Chip Parameter</b>	
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	1.6Gbps (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)
<b>PoE &amp; Power Supply</b>	

PoE Port	Port 1-4 support bt PoE and are backward compatible with IEEE 802.3 af/at PoE standard
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 / (DC48-57V)
Power Consumption	Standby<6W, Full Load<240W
Input Voltage / Interface	DC48-57V/ DC5521 power supply terminal connected
Power Supply	External power adapter, AC100~240V 50-60Hz 4.1A
<b>Physical Parameter</b>	
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	<0.5kg /<1.2kg
Installation	Desktop, Wall mount
<b>Certification &amp; Warranty</b>	
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



## APPLICATION



## ORDERING INFORMATION

Model	Description	Configure Power Supply
ONV-POE31004PF-bt	Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port1-4 support high-power 90W output and are backward compatible with IEEE 802.3 af/at PoE standard. Default configuration SC port 1310nm/ 20km single-mode dual fiber optical module. External power supply.	250W
ONV-POE31004PF-M-bt	Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port1-4 support high-power 90W output and are backward compatible with IEEE 802.3 af/at PoE standard. Default configuration SC port 850nm/ 0.5km or 1310nm/ 2km multi-mode dual fiber optical module. External power supply.	250W
ONV-POE31004PF-A-bt	Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port1-4 support high-power 90W output and are backward compatible with IEEE 802.3 af/at PoE standard. Default configuration SC port 1310nm/ 20km single-mode single fiber optical module. External power supply.	250W
ONV-POE31004PF-B-bt	Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port1-4 support high-power 90W output and are backward compatible with IEEE 802.3 af/at PoE standard. Default configuration SC port 1550nm/ 20km single-mode single fiber optical module. External power supply.	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 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064P-bt	Unmanaged bt PoE switch with 6*10/100/1000M RJ45 ports. Port 1-4 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064PF-bt	Unmanaged bt PoE switch with 4*10/100/1000M RJ45 ports and 2*1000M SFP ports. Port 1-4 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064PFG-bt	Unmanaged bt PoE switch with 5*10/100/1000M RJ45 ports and 1*1000M SFP port. Port 1-4 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33108PFG-bt	Unmanaged bt PoE fiber switch with 9*10/100/1000M RJ45 ports and 1*1000M uplink SFP port. Port 1-8 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. Built-in

	600W power supply.
ONV-POE33016PF-bt	Unmanaged bt PoE fiber switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports. Port 1-16 support bt PoE output and backward compatible with IEEE 802.3 af/at PoE standard. Built-in 1200W power supply.

## CONTACT US



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