

Product Datasheet

6-port 10/100M bt PoE Switch

(ONV-POE31064P-bt)



OVERVIEW

The ONV-POE31064P-bt is a 10/100M unmanaged bt PoE switch independently developed by ONV. It has 6*10/100Base-TX adaptive RJ45 ports. 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, dual RJ45 port uplink**
 - ◇ Support non-blocking wire-speed forwarding.
 - ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
 - ◇ 6*10/100Base-TX RJ45 ports 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

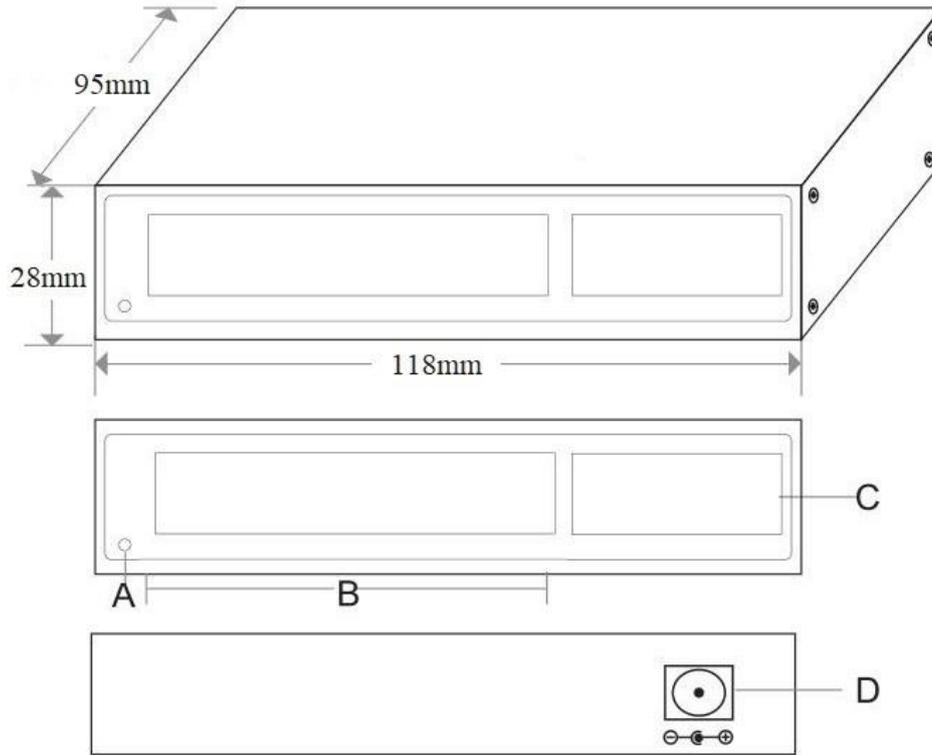
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Self-developed power supply, high redundancy, providing a long-term and stable PoE power output.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ Low power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

TECHNICAL SPECIFICATION

Model	ONV-POE31064P-bt
Interface Characteristics	
Fixed Port	2*10/100Base-TX uplink RJ45 ports (Data) 4*10/100Base-TX bt PoE ports (Data /Power)
Ethernet Port	Port 1-6 can support 10/100Base-T(X) 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)
Chip Parameter	

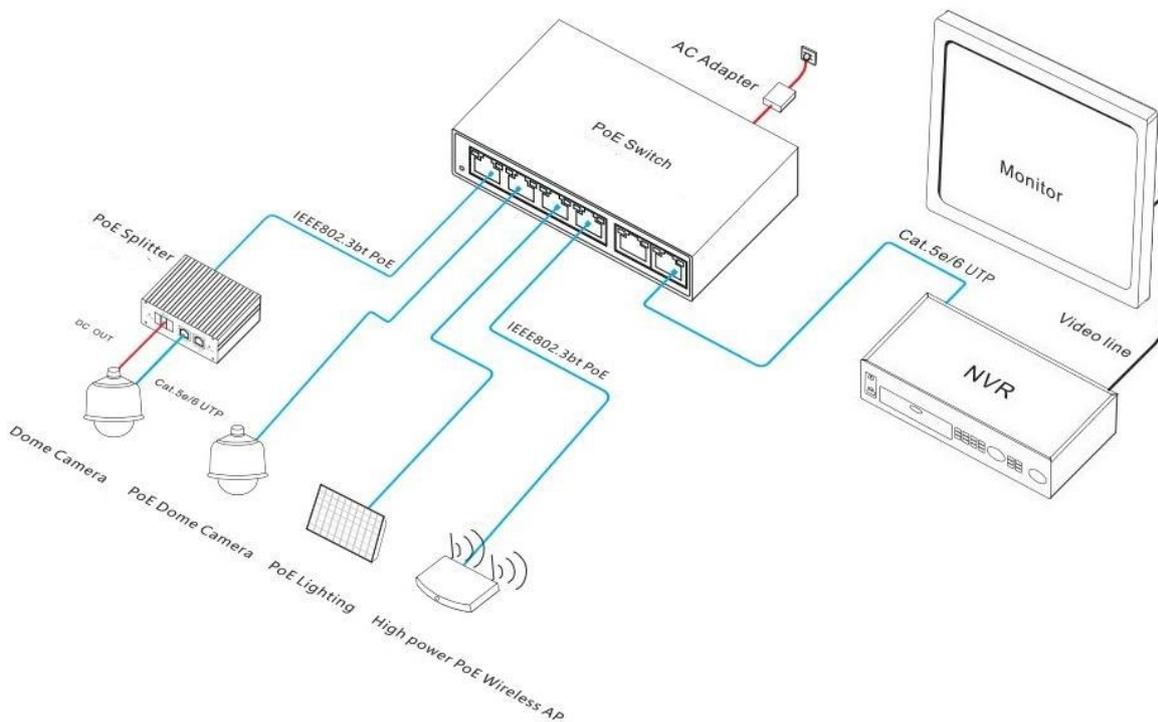
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	1.6Gbps (Non-blocking)
Forwarding Rate @64byte	0.89Mpps
MAC	1K
Buffer Memory	768K
Jumbo Frame	1536bytes
LED Indicator	Power: PWR (Green), Network: Link (Yellow), PoE: PoE (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	0.3kg /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. 2*10/100M uplink RJ45 ports
- D. Power input port DC48- 57V

APPLICATION



ORDERING INFORMATION

Model	Description	External Power Adapter
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 power adapter.	250W

PACKING LIST

	Content	Qty	Unit
Packing List	6-port 10/100M bt PoE 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-POE31004PF-bt	Unmanaged bt PoE fiber switch with 4*10/100M 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. 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.

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