

Product Datasheet

5-port 10/100M PoE Fiber Switch

(ONV-POE31004PF)



OVERVIEW

The ONV-POE31004PF is a 10/100M PoE fiber switch independently developed by ONV. It has 4*10/100M RJ45 ports and 1*155M uplink SC fiber port. Port 1-4 can support IEEE 802.3 af/at PoE standard and single-port PoE power reaches 30W. 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 supply power to PoE terminal equipment such as wireless AP, IP camera, VoIP, and visual intelligent building intercom through a network cable, and meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises. Unmanaged mode, 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 port for easy long-distance transmission, which facilitates flexible networking and meets network requirements for various scenarios.

■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 4*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other 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.

■ 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 P, Link, and PoE.
- ◇ Low power consumption, no fan, galvanized steel metal shell, and excellent heat dissipation to ensure the stable operation of the switch.

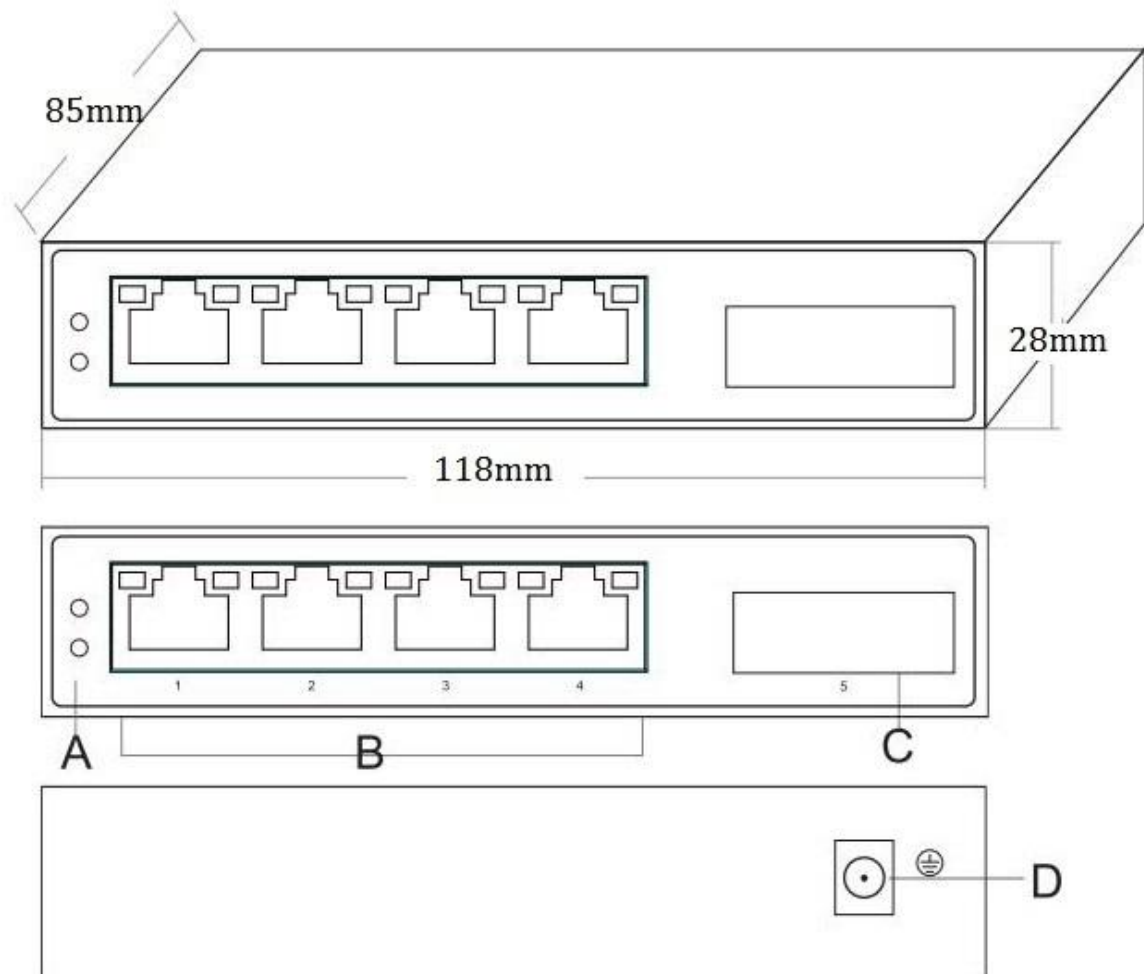
TECHNICAL SPECIFICATION

Model	ONV-POE31004PF	ONV-POE31004PF-at
Interface Characteristics		
Fixed Port	1*155M uplink SC fiber port (Data) 4*10/100M PoE ports (Data /Power)	
Ethernet Port	Port 1-4 support 10/100Base-T(X) 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)	
Optical Fiber Port	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	9.6K	
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 (-)	
Max Power Per Port	30W, IEEE 802.3 af/at	
Total PWR / Input Voltage	65W /DC52V	110W /DC52V
Power Consumption	Standby<4W, Full Load<65W	Standby<6W, Full Load<110W
Power Supply	External power adapter, AC100~240V 50-60Hz, 1.0A	External power adapter, AC100~240V 50-60Hz, 2.2A
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)	118*85*28mm	
Net /Gross Weight	0.35kg/ 0.75kg	0.35kg/ 0.85kg
Installation	Desktop, Wall mount	
Certification & Warranty		

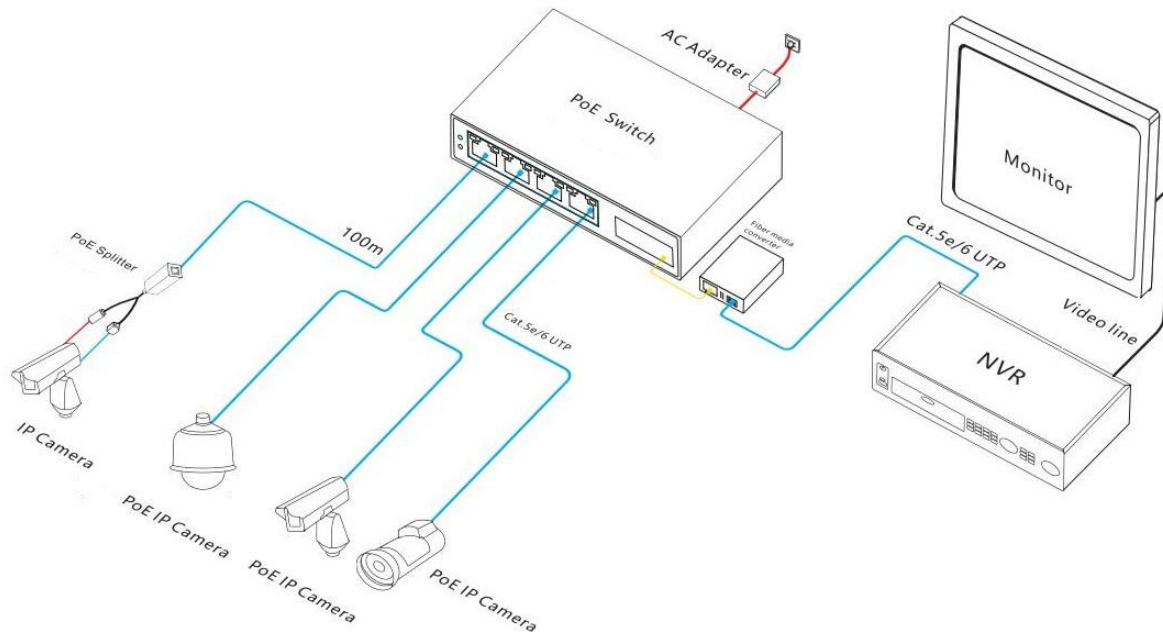
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

DIMENSION



- A. Working indicator
- B. 4*10/100M PoE ports
- C. 1*155M SC fiber port
- D. DC48-52V power port

APPLICATION



ORDERING INFORMATION

Model	Description	External Power Adapter
ONV-POE31004PF	Unmanaged PoE 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 IEEE 802.3 af/at PoE standard. External power adapter.	65W
ONV-POE31004PF-at		110W
ONV-POE31004PF-A	Unmanaged PoE 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 IEEE 802.3 af/at PoE standard. External power adapter.	65W
ONV-POE31004PF-A-at		110W
ONV-POE31004PF-B	Unmanaged PoE switch with 4*10/100M RJ45 ports and 1*155M uplink SC fiber port (1550nm/ 20km	65W

ONV-POE31004PF-B-at	single-mode single fiber optical module). Port 1-4 can support IEEE 802.3 af/at PoE standard. External power adapter.	110W
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PACKING LIST

	Content	Qty	Unit
Packing List	5-port 10/100M PoE fiber switch	1	SET
	Power supply kit (AC power line + power adapter)	1	SET
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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