

Product Datasheet

9-port 10/100Mbps PoE Fiber Switch

(ONV-POE31008PF)



OVERVIEW

The ONV-POE31008PF is an unmanaged PoE fiber switch independently developed by ONV. It has 8*10/100M RJ45 ports and 1*155M uplink SC slot port. Port 1-8 can support IEEE802.3af/at PoE standard. Single-port PoE power up to 30W, the maximum PoE output power is 110W. 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 fast Ethernet access, uplink SC port

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

■ Smart PoE power supply

- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ 8*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

■ Stable and reliable, Easy to operate

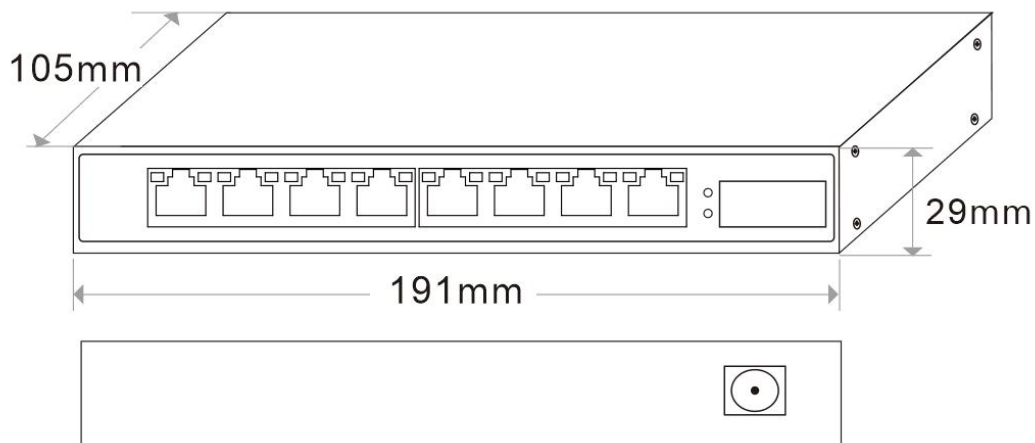
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption, galvanized steel casing, No fan.
- ◇ The user-friendly panel can show the device status through the LED indicator of P, Link, PoE.

TECHNICAL SPECIFICATION

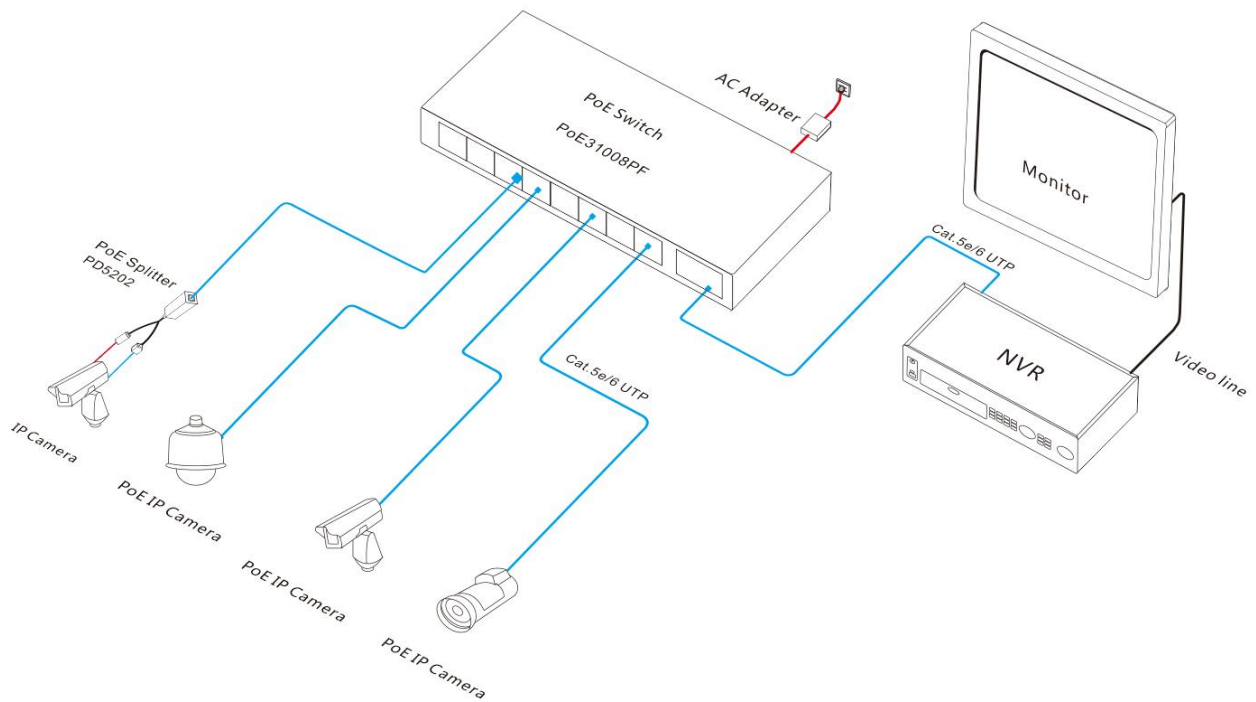
Model	ONV-POE31008PF	ONV-POE31008PF-at
Interface Characteristics		
Fixed Port	8*10/100M PoE ports (Data /Power) 1*155M uplink SC port (Data)	
Ethernet Port	Port 1-8 can support 10/100Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meters)	
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meters)	
Fiber Port Feature	The default optical module is single-mode dual fiber 20km, SC port	
Optical Cable/ Distance	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	
LED Indicator	Power: P(Green), Network: Link (Yellow), PoE: PoE (Green), Fiber port: F (Green)	
PoE & Power Supply		
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE	
Power Supply Pin	Default 1/2 (+)3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	

Total PWR / Input Voltage	110W / (52VDC)	250W / (52VDC)
Power Consumption	Standby < 4W, Full Load < 110W	Standby < 6W, Full Load < 240W
Power Supply	External power adapter, AC100~240V 50-60Hz 2.2A	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)	190.5*105*29mm	
Net /Gross Weight	<0.5kg /<1.0kg	<0.5kg /<1.2kg
Installation	Desktop, Wall-mounted	
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



APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE31008PF	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port 1310nm/20km single-mode dual fiber optical module. External 110W power supply.
ONV-POE31008PF-at	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port 1310nm/20km single-mode dual fiber optical module. External 250W power supply.
ONV-POE31008PF-A	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port TX1310/RX1550nm/20km single-mode

	single fiber optical module. External 110W power supply.
ONV-POE31008PF-A-at	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port TX1310/RX1550nm/20km single-mode single fiber optical module. External 250W power supply.
ONV-POE31008PF-B	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port TX1550/RX1310nm/20km single-mode single fiber optical module. External 110W power supply.
ONV-POE31008PF-B-at	Unmanaged PoE switch with 8*10/100M PoE ports and 1*155M uplink SC port. Port 1-8 can support IEEE802.3af/at POE standard. Default configuration SC port TX1550/RX1310nm/20km single-mode single fiber optical module. External 250W power supply.

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	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

ONV Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Skype: [onv@onv.com.cn](https://www.skype.com/people/onv@onv.com.cn)

WeChat ID: ONV-PoE-IoT

Website: www.onvcom.com

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

Factory Address: The 4-6th Floor, No. 59, Huaning Road, Xinwei Community, Dalang Street,
Longhua District, Shenzhen

