

Product Datasheet

9-port 10/100M PoE Fiber Switch

ONV-POE31008PF



OVERVIEW

The ONV-POE31008PF is a 10/100M unmanaged PoE fiber switch independently developed by ONV. It has 8*10/100M RJ45 ports and 1*155M SC slot port. Port 1-8 can support IEEE 802.3af/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 access, SC uplink

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

■ Smart PoE power supply function

- ◇ 8*10/100Base-TX PoE ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.

■ Stable and reliable, Easy to operate

- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, easy to maintain.
- ◇ Low power consumption and low noise, galvanized steel shell, No fan.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of P, Link, PoE.

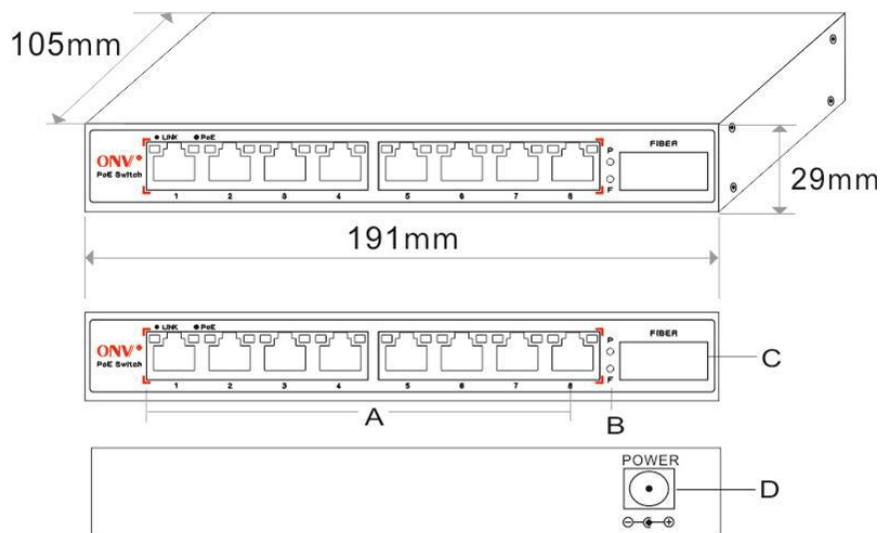
TECHNICAL SPECIFICATION

Model	ONV-POE31008PF	ONV-POE31008PF-at
Interface Characteristics		
Fixed Port	8*10/100Base-TX PoE ports (Data /Power) 1*155M 100Base-FX uplink SC port (Data)	
Ethernet Port	Port 1-8 support 10/100 Base-T(X) auto-sensing, full/half duplex	

	MDI/MDI-X self-adaption	
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meter)	
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meter)	
Fiber Port Feature	The default optical module is single-mode dual-fiber 20km, SC port	
Optical Cable / Distance	Multi mode: 850nm/ 0~550M, 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	
Jumbo Frame	9.6K	
LED Indicator	Power: P (green), Network: Link (yellow), PoE: PoE (green) fiber : F (green)	
PoE & Power		
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE	
Power Supply Pin	Default 1/2 (+), 3/6 (-), optional 4/5(+), 7/8(-)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	110W/ (DC52V)	250W/ (DC52V)
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

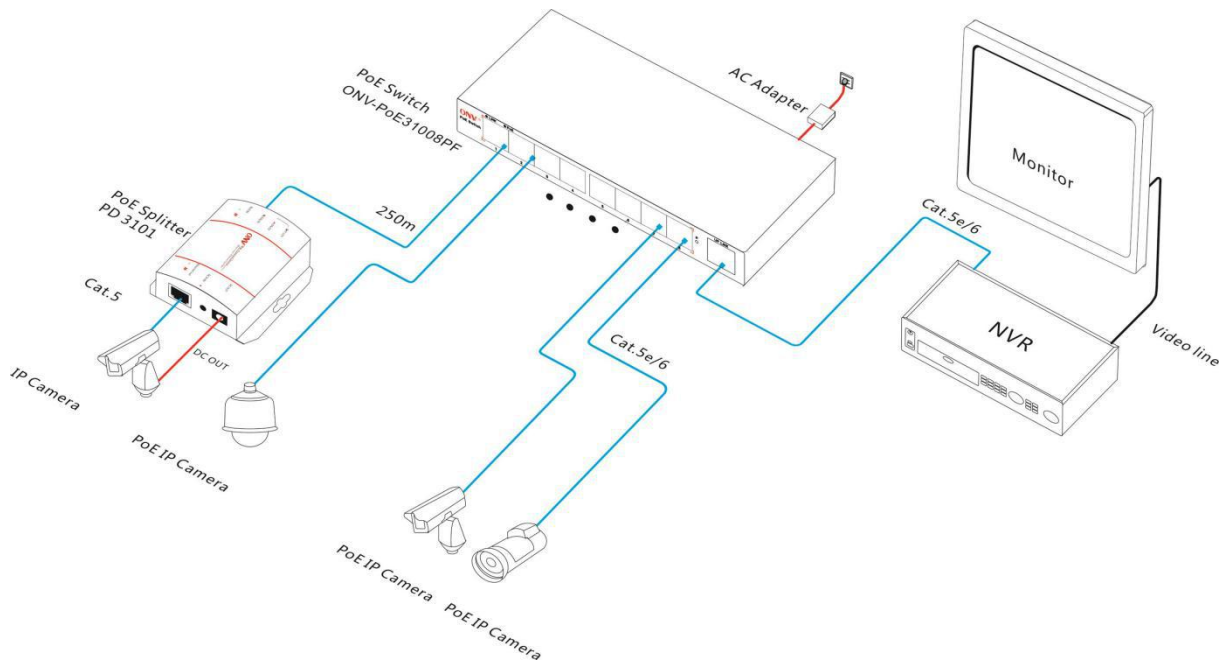
Physical Parameter		
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing	
Dimension (L*W*H)	191*105*29mm	
Net /Gross Weight	<0.5kg /<1kg	<0.5kg /<1.2kg
Installation	Desktop type ,wall mounted	
Certification & Warranty		
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30	
Certification	CCC, CE mark, commercial; CE/LVD EN60950, FCC Part 15 Class B, RoHS	
Warranty	3 years, lifelong maintenance.	

DIMENSION



- A.8*POE Port
- B.Working indicator
- C.10/100/1000M uplink SFP Port
- D.Power Input Port DC48V

APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE31008PF	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port, Port 1-8 can support IEEE802.3af/at PoE standard . By default, the SC port 1310nm/20km single mode dual fiber module is configured. External 110W power supply.
ONV-POE31008PF-at	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port, Port 1-8 can support IEEE802.3af/at PoE standard . By default, the SC port 1310nm/20km single mode dual fiber module is configured. External 250W power supply.
ONV-POE31008PF-M	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 850nm/0.5km or

	1310nm/2km multi-mode dual fiber module is configured. External 110W power supply.
ONV-POE31008PF-M-at	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M SC uplink port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 850nm/0.5km or 1310nm/2km multi-mode dual fiber module is configured. External 250W power supply.
ONV-POE31008PF-A	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 1310nm/20km single mode single fiber module is configured. External 110W power supply.
ONV-POE31008PF-A-at	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 1310nm/20km single mode single fiber module is configured. External 250W power supply.
ONV-POE31008PF-B	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 1550nm/20km single mode single fiber module is configured. External 110W power supply.
ONV-POE31008PF-B-at	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 1*155M uplink SC port . Port 1-8 can support IEEE 802.3af/at international standard. By default, the SC port 1550nm/20km single mode single fiber module is configured. 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 (Hanging ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US



OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Website: www.onvcom.com

Zip: 518000

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

Factory Address: The 4-6th Floor, No. 59, HuaNing Road, Xinwei Community, Dalang Street,

Longhua District, Shenzhen, China

