Product Datasheet

5-port 10/100Mbps PoE Fiber Switch

(ONV-POE31004PF)

OVERVIEW

The ONV-POE31004PF is an unmanaged PoE fiber switch independently developed by ONV. It has 4*10/100M RJ45 ports and 1*155M uplink SC slot port. Port 1-4 can support IEEE802.3af/at PoE standard. Single-port PoE power up to 30W, the maximum PoE output power is 65W. 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 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**

◇ 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.

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

■ **Smart PoE power supply**

◇ 4*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.

■ **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 PWR, Link, PoE.

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TECHNICAL SPECIFICATION

Model	ONV-POE31004PF	ONV-POE31004PF-at
Interface Characteristics		
Fixed Port	4*10/100M PoE ports (Data /Power) 1*155M uplink SC port (Data)	
Ethernet Port	Port 1-4 can 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 meter) 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	1.6Gbps (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), SC port: 5 (Green)	
Reset Switch	Yes, One-button factory reset	
PoE & Power Supply		
PoE Port	Port 1 to 4 IEEE802.3af/at @ POE	

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Power Supply Pin	Default 1/2 (+), 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	65W /(52VDC)	110W/(52VDC)
Power Consumption	Standby<4W, Full Load<65W	Standby<6W, Full Load<110W
Power Supply	External power adapter, AC100~240V 50-60Hz 1A	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	<0.65kg /<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 EN60950, FCC Part 15 Class B, RoHS	
Warranty	3 years, lifelong maintenance.	

DIMENSION
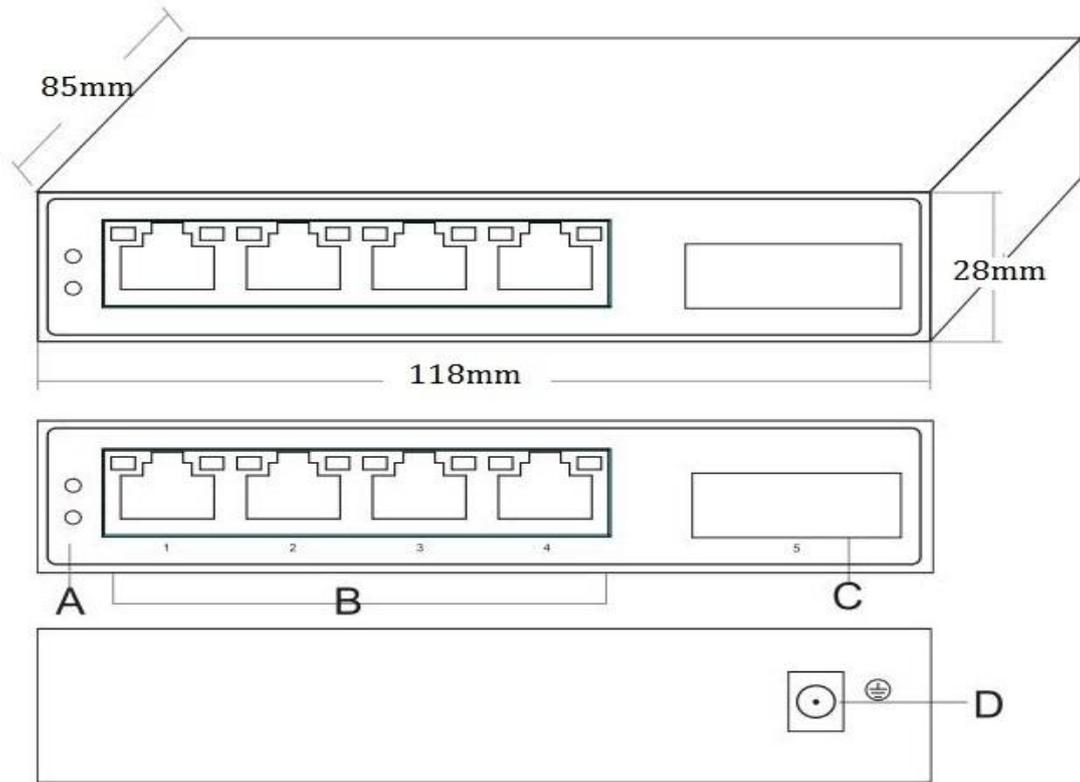
A. Working led indicator   B. 4*10/100M PoE ports

C. 1*155M SC fiber port   D. DC48-52V power port

APPLICATION

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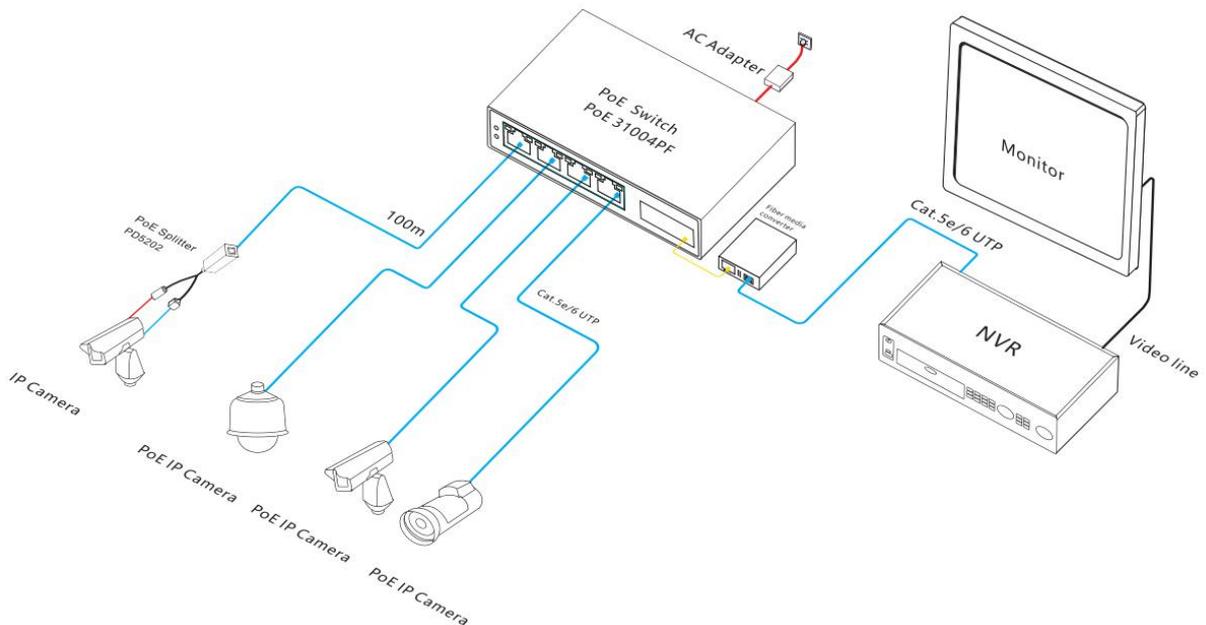
ORDERING INFORMATION

Model	Description
ONV-POE31004PF	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M uplink SC port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 1310nm/20km single-mode dual fiber module is configured. External 65W power supply.
ONV-POE31004PF-at	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M SC uplink port. Port 1-4 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-POE31004PF-M	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M SC uplink port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 850nm/0.5km or 1310nm/2km multi-mode dual fiber module is configured. External 65W power supply.
ONV-POE31004PF-M-at	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M SC uplink port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 850nm/0.5km or 1310nm/2km multi-mode dual fiber module is configured. External 110W power supply.
ONV-POE31004PF-A	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M uplink SC port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 1310nm/20km single-mode single fiber module is configured. External 65W power supply.
ONV-POE31004PF-A-at	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M uplink SC port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 1310nm/20km single-mode single fiber module is configured. External 110W power supply.
ONV-POE31004PF-B	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M uplink

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	SC port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 1550nm/20km single-mode single fiber module is configured. External 65W power supply.
ONV-POE31004PF-B-at	Unmanaged PoE switch with 4*10/100M PoE ports and 1*155M uplink SC port. Port 1-4 can support IEEE802.3af/at POE standard. By default, the SC port 1550nm/20km single-mode single fiber module is configured. External 110W power supply.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	5-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

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