Product Datasheet

10/100M PoE Media Converter

ONV-POE31001PF

OVERVIEW

The ONV-POE31001PF series is an unmanaged PoE media converter. It has 1*10/100M RJ45 port and 1*155M uplink SC slot port. Ethernet port support IEEE 802.3af/at PoE standard, Single port PoE power up to 30W, the maximum PoE output power is 36W. 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

- **10/100M fast Ethernet access, SC port uplink**

◇ 1*10/100Base-TX RJ45 port 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**

◇ 1*10/100Base-TX RJ45 port can support POE power supply to meet the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
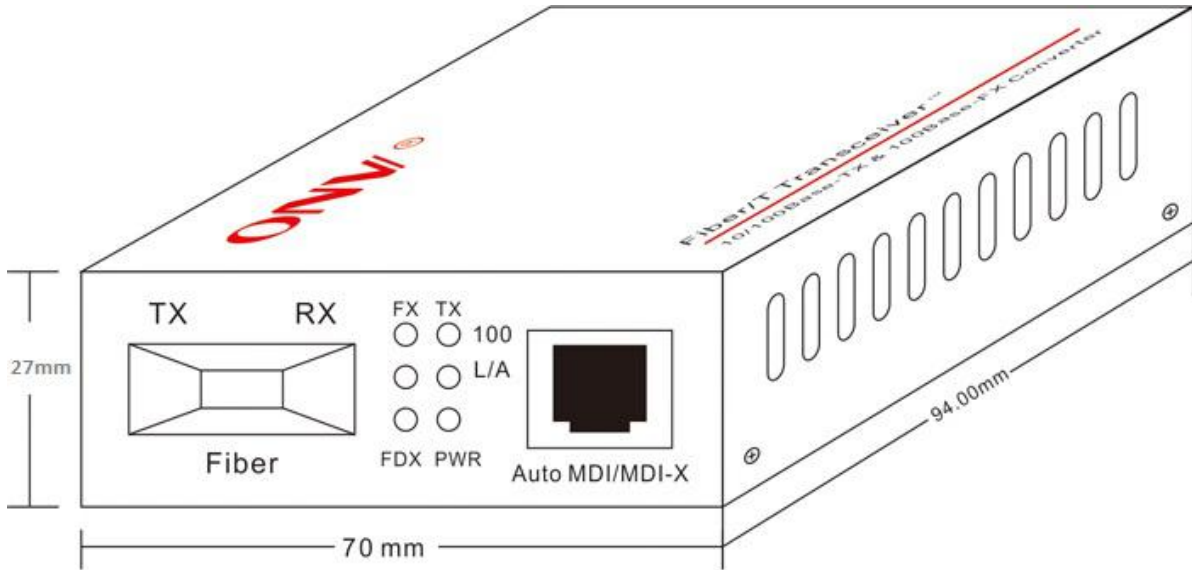
- **Stable and reliable**

◇ CCC,CE, FCC, RoHS.

◇ Low power consumption, galvanized steel casing. No fan.

◇ Plug and play, no configuration, simple and convenient.

◇ Self-developed power supply, high redundancy design, providing a long term and stable power output.

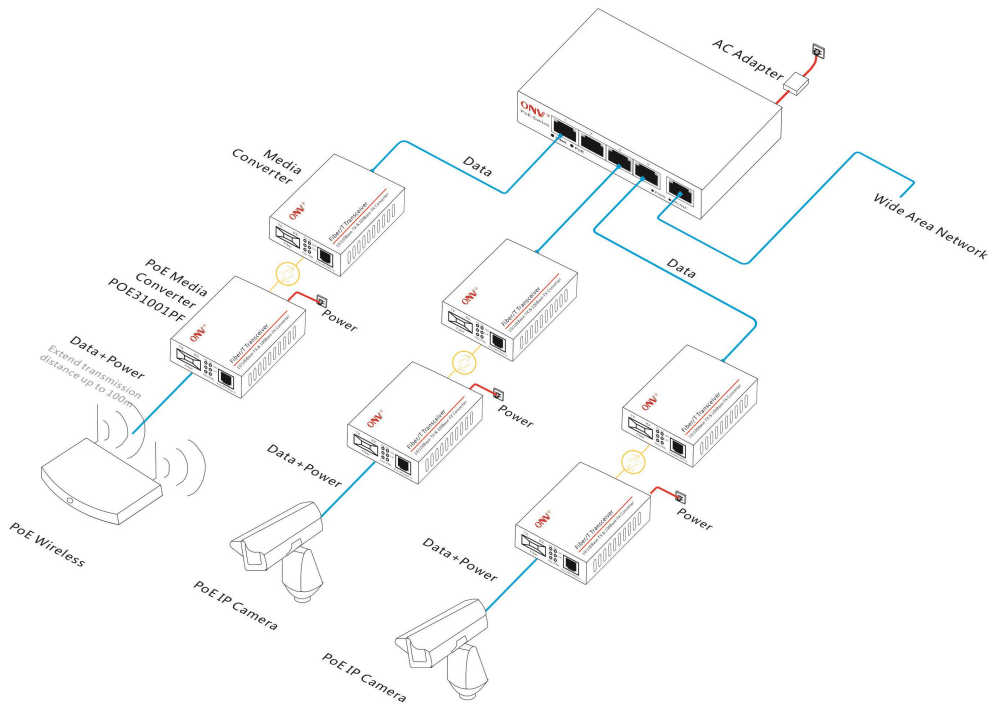◇ The user-friendly panel, it can show the device status through the LED indicator of PWR,SYS, Link ,PoE.

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TECHNICAL SPECIFICATION

Model	ONV-POE31001PF	ONV-POE31001PF-at
Interface Characteristics		
Interface	1*10/100Base-TX PoE port (Data /Power) 1*155M uplink SC port (Data)	
Ethernet Port Feature	Port 1 can support 10/100BaseTX auto-sensing,full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5e or later UTP(≤100 meter)	
Fiber Port Feature	The default optical module is single-mode dual-fiber 20km, SC interface	
Optical Fiber Cable/ Distance	Multi mode: 850nm / 0~500M，1310nm / 0~20KM ; 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 1000Base-FX IEEE802.3x	
Forwarding Mode	Store and Forward (Full wire speed)	
Switching Capacity	0.4Gbps (Non-blocking)	
Forwarding Rate@64byte	0.3Mpps	
MAC	1K	
Buffer Memory	512K	
Jumbo Frame	1536bytes	
LED Indicator	Power: PWR (green), network : Link (yellow), POE: PoE(green), Fiber port : F (green)	

PoE and Power

POE Port	Port 1 can support IEEE802.3af/at PoE	
Power Supply Pin	Default 1/2(+), 3/6(-),optional 4/5(+), 7/8(-)	
PoE Standard	30W, IEEE802.3af/at	
Total PWR / Input Voltage	24W / 52VDC	36W / 52VDC
Power Consumption	Standby<3W,Full Load<18W	Standby<4W, Full Load<32W
Input Voltage / Interface	DC48-57V / DC5521 power terminal connection	
Power Supply	External power adapter, AC100~240V 50-60Hz 1.0A	
Operation TEMP / Humidity	-20~+55°C; 5%~90% RH Non-condensing	
Storage TEMP / Humidity	-40~+75°C; 5%~95% RH Non-condensing	
Dimension	94*70*27mm	
Net /Gross Weight	<0.4kg /<0.8kg	
Installation	Desktop	
Port lightning protection / protection level	Port 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.	

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DIMENSION

APPLICATION

ORDERING INFORMATION

Model	Description	Configure Power Adapter
ONV-POE31001PF	Unmanaged PoE media converter with 1*10/100M RJ45 port and 1*155M uplink SC port. Ethernet port can support IEEE802.3af/at POE. By default, the SC port 1310nm/20km single mode dual fiber module is configured. External power adapter.	24W
ONV-POE31001PF-at		36W
ONV-POE31001PF-A	Unmanaged PoE media converter with 1*10/100M RJ45 port and 1*155M uplink SC port. Ethernet port can support IEEE802.3af/at POE. By default, the SC port 850nm/0.5km or 1310nm/2km single mode single fiber module is configured. External power adapter.	24W
ONV-POE31001PF-A-at		36W
ONV-POE31001PF-B	Unmanaged PoE media converter with 1*10/100/1000M RJ45 port a and 1*155M uplink SC port. Ethernet port can support IEEE802.3af/at POE. By default, the SC port 1310nm/20km single mode single fiber module is configured. External power adapter.	24W
ONV-POE31001PF-B-at		36W
ONV-POE31001PF-M	Unmanaged PoE media converter with 1*10/100/1000M RJ45 port and 1*155M uplink SC port. Ethernet port can support IEEE802.3af/at POE. By default, the SC port 1550nm/20km multi-mode dual fiber module is configured. External power adapter.	24W
ONV-POE31001PF-M-at		36W

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PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	10/100M PoE Media Converter	1	SET
	Power Adapter+AC Power Cable	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

RELATED PRODUCT

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 power supply.
ONV-POE31064PF	Unmanaged PoE fiber switch with 4*10/100M PoE ports and 2*155M uplink SFP ports, Port 1-4 can support IEEE802.3af/at PoE standard . External 65W power supply.
ONV-POE31108PFG	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 2*10/100/1000M RJ45 port and 1*1000M uplink SFP port, Port 1-8 can support IEEE802.3af/at PoE standard . External 110W power supply.
ONV-POE31108PF	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 2*1000M uplink SFP ports, Port 1-8 can support IEEE802.3af/at PoE standard . External 130W power supply.