

Product Datasheet

10-port Gigabit Uplink PoE Fiber Switch

(ONV-POE31108PFG)



OVERVIEW

The ONV-POE31108PFG is an unmanaged PoE fiber switch independently developed by ONV. It has 8*10/100M PoE ports and 1*10/100/1000M RJ45 port and 1*1000M SFP port. Port 1-8 can support IEEE802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 110W(at-250W). 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, webcam, VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprises.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 10/100Mbps access, gigabit TP/SFP port uplink

- ◇ Support 10/100M Ethernet port and Gigabit Ethernet port and Gigabit SFP port combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ◇ Support non-blocking wire speed forwarding.
- ◇ Support full duplex based on IEEE802.3x and half duplex based on backpressure.

■ Intelligent PoE power supply

- ◇ 8*10/100Base-TX RJ45 ports support PoE power supply to meet the needs of PoE power supply in security monitoring, teleconferencing systems, and wireless coverage.
- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ 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.

■ Innovative functional design

- ◇ Long distance switch: When opening, the speed of port 1-8 is reduced to 10M. With the existing twisted pair cable, the transmission limit of the twisted pair can be broken. The transmission distance can reach 250 meters, on the other hand, It can solve the problem of poor transmission caused by line aging.

■ Stable and reliable, easy to operate

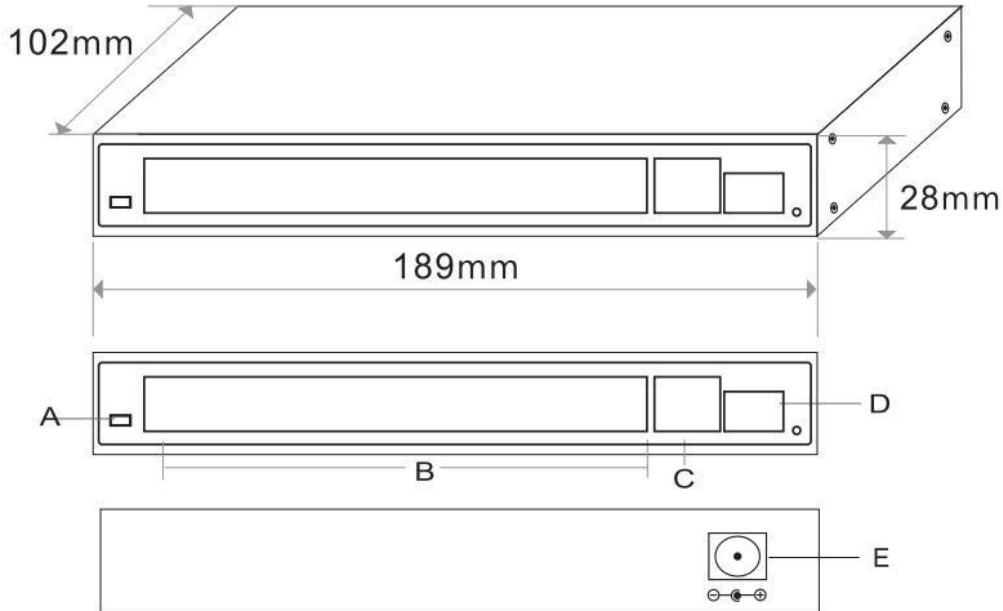
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption and low noise, aluminum shell, No fan.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.

TECHNICAL SPECIFICATION

Model	ONV-POE31108PFG	ONV-POE31108PFG-at
Interface Characteristics		
Fixed Port	8*10/100Base-TX PoE ports (Data/Power) 1*10/100/1000M uplink RJ45 port (Data) 1*1000M uplink SFP slot port (Data)	
Ethernet Port	Port 1-8 can support 10/100Base-T(X) auto-sensing, port 9 can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
Optical Fiber Port	Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
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 IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	11.8Gbps	
Forwarding Rate@64byte	4.17Mpps	
MAC	2K	
Buffer Memory	2M	
LED Indicator	Power: PWR (green), Data: Link(yellow), POE: PoE (green), Function switch: EXTEND(green)	

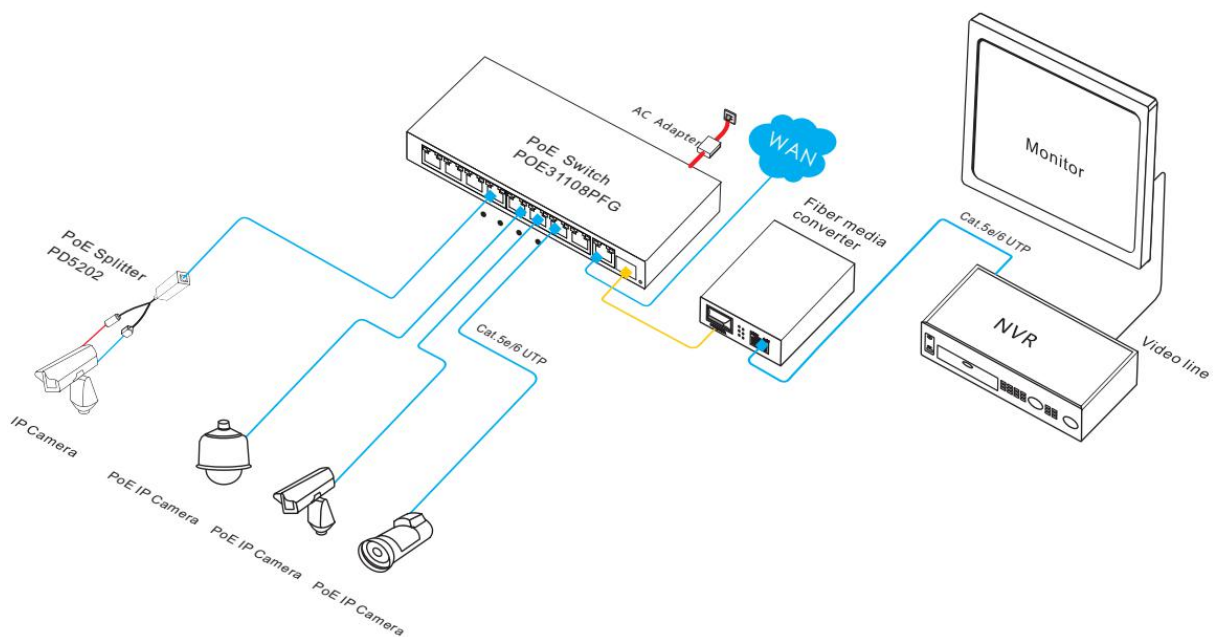
PoE & Power Supply		
PoE Port	Port 1 to 8	
Power Supply Pin	Default 1/2(+), 3/6(-), optional 4/5(+), 7/8(-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	110W/(DC52V)	250W/(DC52V)
Power Consumption	Standby<5W, Full load<110W	Standby<6W, Full load<240W
Power Supply	External power adapter AC100~240V 50-60Hz 2.0A	External power adapter AC100~240V 50-60Hz 4.1A
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)	189*102*28mm	
Net /Gross Weight	<0.6kg / <1.5kg	
Installation	Desktop, 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. Multi- functional switch
- B. 8*10/100M PoE ports
- C. 1*10/100/1000M uplink RJ45 port
- D. 1*1000M uplink SFP port
- E. DC power input port

APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE31108PFG	Unmanaged PoE switch with 8*10/100M PoE port and 1*10/100/1000M RJ45 port and 1*1000M SFP port. Port1-8 can support IEEE802.3af/at PoE standard. Adjust function switch, Port 1-8 support VLAN isolation or 10M/250m transmission. External 110W power supply.
ONV-POE31108PFG-at	Unmanaged PoE switch with 8*10/100M PoE port and 1*10/100/1000M RJ45 port and 1*1000M SFP port. Port1-8 can support IEEE802.3af/at PoE standard. Adjust function switch, Port 1-8 support VLAN isolation or 10M/250m transmission. External 250W power supply.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	10-Port gigabit uplink PoE fiber switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
1.25G Optical Module	ONV-2630	SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM, hot plug and pull.	PC
	ONV-2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	ONV-2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	ONV-2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	ONV-2612-T-SC	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM, hot plug and pull.	PC
	ONV-2613-R-SC	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM, hot plug and pull.	PC
Power Module	ONV-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

CONTACT US



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