

Product Datasheet

10-Port Gigabit Uplink PoE Switch

(ONV-POE31108PG)



OVERVIEW

The ONV-POE31108PG is an unmanaged PoE switch independently developed by ONV. It has 8*10/100M PoE ports and 2*10/100/1000M RJ45 ports. Port 1-8 can support IEEE 802.3af/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 the 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 mode, plug and play, no configuration, easy to use.

FEATURE

10/100Mbps access, gigabit RJ45 port uplink

- ◇ A combination of 10/100M Ethernet port and Gigabit RJ45 port to meet the networking requirements 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, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE 802.3af/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 switch

- ◇ Long-distance switch: When opening, the speed of port 1-8 is 10M, which can break the limit of 100m transmission of twisted pair, and the transmission distance reaches 250m, which can solve the problem of poor transmission caused by line aging.

■ Stable and reliable, easy to operate

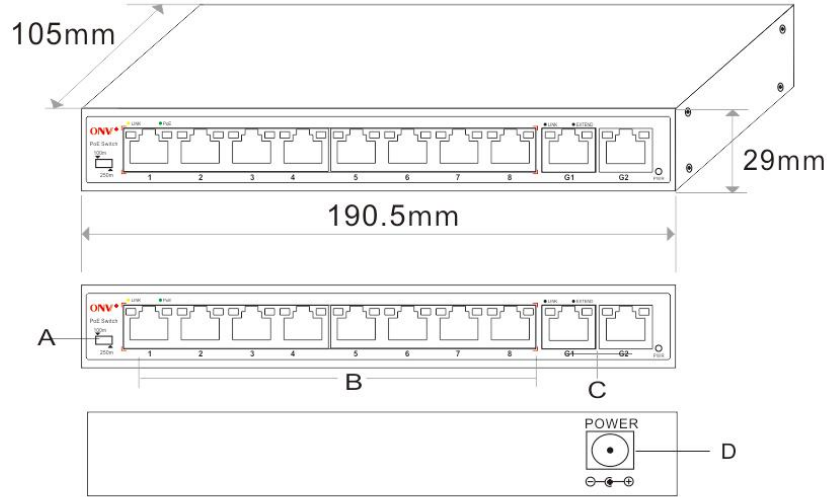
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption and low noise, fan-less design, metal shell
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ The user-friendly panel, it can show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

TECHNICAL SPECIFICATION

Model	ONV-POE31108PG	ONV-POE31108PG-at
Interface Characteristics		
Fixed Port	8*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000M uplink RJ45 ports (Data)	
Ethernet Port	Port 1-8 can support 10/100Base-T(X) auto-sensing, port 9-10 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)	
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: Link1 (yellow); POE: PoE (green); Function switch: EXTEND(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	

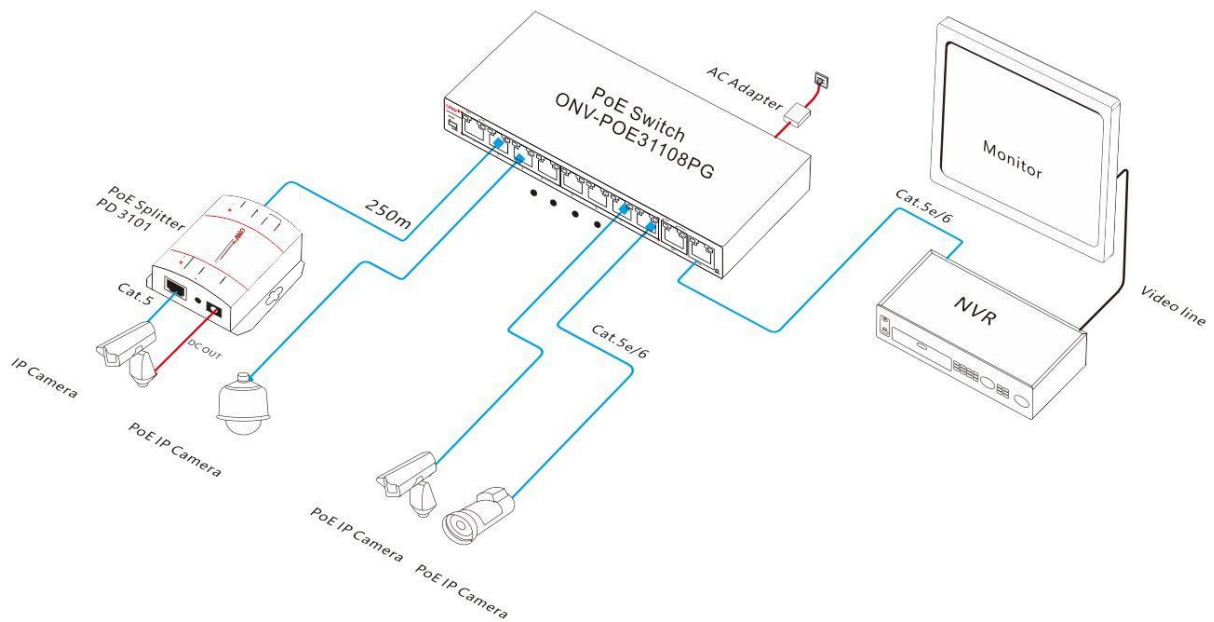
Total PWR / Input Voltage	110W/(DC52V)	250W/(DC52V)
Power Consumption	Standby<5W, Full load<110W	Standby<6W, Full load<240W
Power Supply	External power adapter AC100~240V 50-60Hz 2.0A	External power adapter AC100~240V 50-60Hz 4.1A
Physical Parameter		
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing	
Dimension (L*W*H)	191.5*105*29mm	
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 100/250m B. 8*10/100M PoE ports
 C. 2*10/100/1000M uplink RJ45 ports D. Power input port DC52V

APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE31108PG	Unmanaged PoE switch with 8*10/100M PoE port and 2*10/100/1000M uplink RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. Adjust function switch, port 1-8 can support VLAN isolation and 10M/250m transmission. External 110W power supply.
ONV-POE31108PG-at	Unmanaged PoE switch with 8*10/100M PoE port and 2*10/100/1000M uplink RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. Adjust function switch, port 1-8 can support VLAN isolation and 10M/250m transmission. External 250W power supply.

PACKING LIST

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

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