Product Datasheet

10-port 10/100M PoE Switch
(ONV-POE31108PL)

OVERVIEW

The ONV-POE31108PL is a Gigabit uplink PoE switch independently developed by ONV. It has 8*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard and single-port PoE power reaches 30W. 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, IP camera, VoIP, and visual intelligent building intercom through a network cable, and meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises. Unmanaged mode, plug and play, no configuration, easy to use.

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FEATURE

■ **10/100M access, uplink RJ45 port**

◇ Support non-blocking wire-speed forwarding.

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

◇ 10*10/100Base-TX RJ45 port, which is more convenient for users to flexibly set up to meet the network requirements of various scenarios.

■ **Smart PoE power supply**

◇ 8*10/100Base-TX RJ45 ports support PoE power supply to meet the PoE power supply needs of various scenarios in the security field.

◇ Comply with IEEE802.3af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.

■ **Innovative feature**

◇ **Long-distance mode (Extend):** When enabled, the rate of ports 1-8 is reduced to 10M/250 meters.

◇ **Video surveillance mode:** Enabled together with the long-distance mode, ports 1-8 are isolated from each other but are connected to ports 9-10, which can prevent DHCP conflicts, optimize port cache utilization, and reduce broadcast storms.
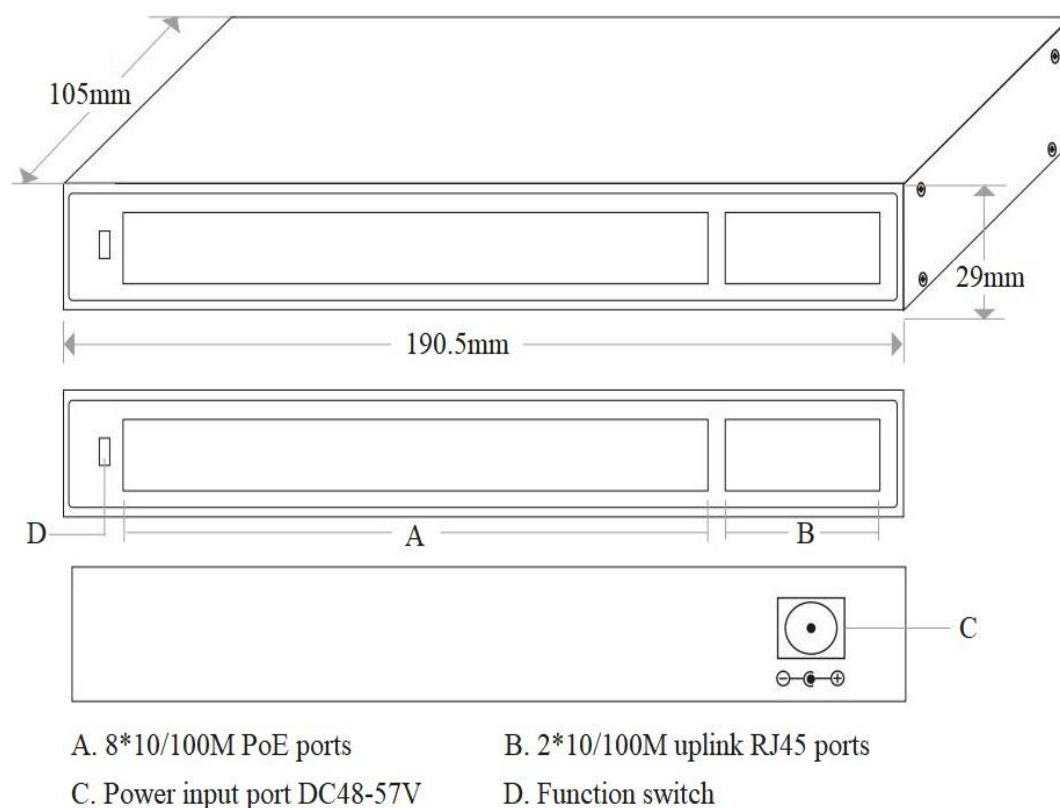
■ **Stable and reliable**

◇ CCC, CE, FCC, RoHS.

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

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

◇ Low power consumption, galvanized steel metal shell, and excellent heat dissipation to ensure the stable operation of the switch.
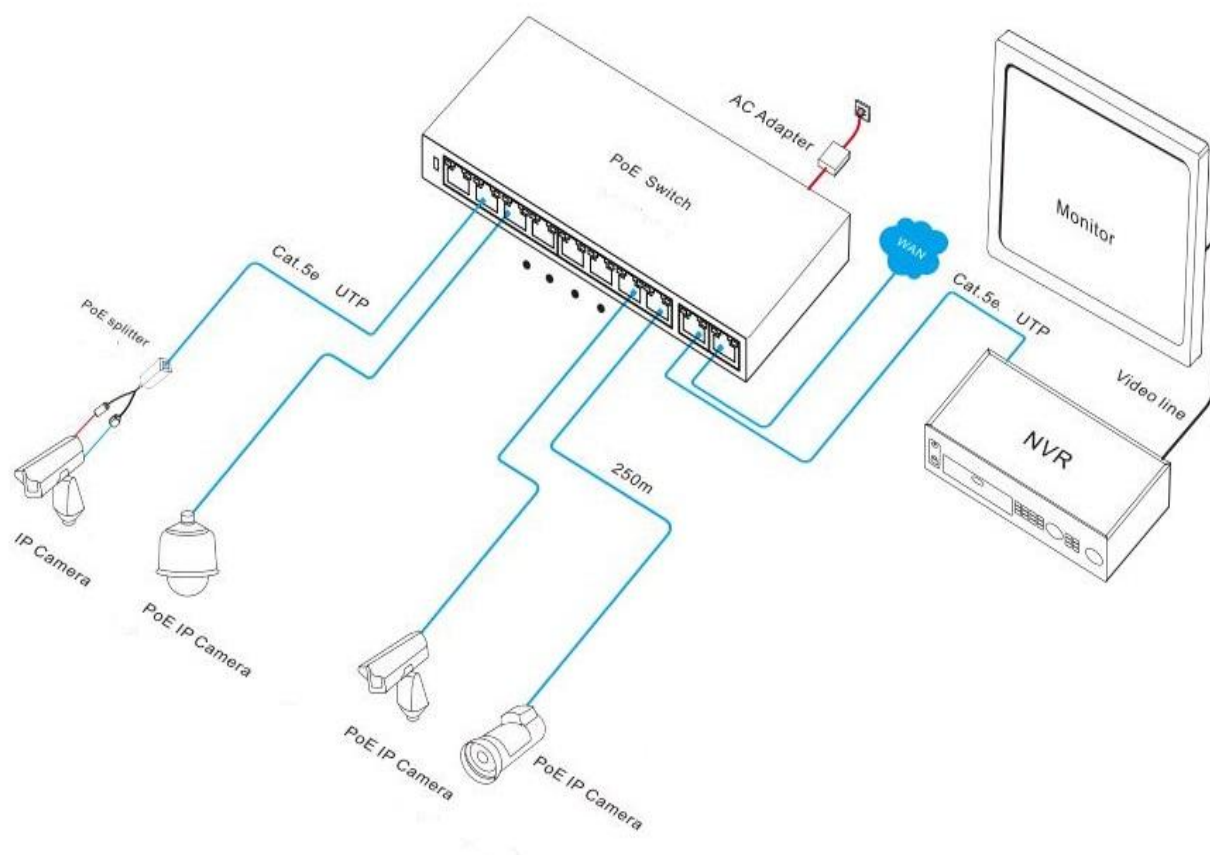
TECHNICAL SPECIFICATION

Model	ONV-POE31108PL	ONV-POE31108PL-at
Interface Characteristics		
Fixed Port	8*10/100Base-TX PoE ports (Data/ Power) 2*10/100Base-TX uplink RJ45 ports (Data)	
Ethernet Port	Port 1-10 can support 10/100Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)	
Function switch	1*(Extender+CCTV) Note: When the switch status changes, the PoE switch must be restarted for the switch function to take effect.	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x	
Forwarding Mode	Store and Forward (Full wire speed)	
Switching Capacity	2Gbps (non-blocking)	
Forwarding Rate@64byte	1.49Mpps	
MAC	2K	
Buffer Memory	1.25M	
LED Indicator	Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), Function switch: EXTEND (Green)	
PoE& Power Supply		
PoE Port	Port 1-8	
Power Supply Pin	1/2(+) 3/6 (-)	
Max Power Per Port	30W, IEEE802.3 af/at	
Total PWR/ Input Voltage	110W/ DC52V	250W/ DC 52V
Power Consumption	Standby<6W, full load<110W	Standby<8W, full load<240W

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Power Supply	External power adapter, AC100~240V 50-60Hz, 2.0A	External power adapter, AC100~240V 50-60Hz, 5.0A
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)	190.5*105*29mm	
Net /Gross Weight	0.5kg/ 1.1kg	0.5kg/1.55kg
Installation	Desktop, wall mount	
Certification& Warranty		
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 , RoHS	
Warranty	3 years, lifelong maintenance	

DIMENSION

A. 8*10/100M PoE ports B. 2*10/100M uplink RJ45 ports
C. Power input port DC48-57V D. Function switch

APPLICATION

ORDERING INFORMATION

Model	Description	External Power Adapter
ONV-POE31108PL	PoE switch with 8*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. When the function switch (Extend) is enabled, port 1-8 can support VLAN isolation and 10M/250 meters transmission. External power adapter.	110W
ONV-POE31108PL-at		250W

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PACKING LIST

	Content	Qty	Unit
Packing List	10-port 10/100M PoE switch	1	Set
	Power Supply (AC Power Line+Power Adapter)	1	Set
	Mounting Kit (Hanging Ear)	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US

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