

## Product Datasheet

# 10-port 10/100M PoE Switch

(ONV-H1108PL)



## OVERVIEW

The ONV-H1108PL is an unmanaged PoE switch independently developed by ONV. It has 10\*10/100M RJ45 ports. Port 1-8 can support IEEE 802.3 af/at PoE standard, and single-port PoE power up to 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 cameras, VoIP phones, video access control intercoms, etc. through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economy-efficient network. Unmanaged mode, plug and play, no configuration, easy to use.

## FEATURE

- **10/100M access, Dual RJ45 port uplink**
  - ◇ Support non-blocking wire-speed forwarding.
  - ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
  - ◇ Provides 10\*10/100Base-TX RJ45 ports for flexible networking and meets the networking requirements of various scenarios.

### ■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 8\*10/100Base-TX PoE ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ Priority system for PoE port will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

### ■ Innovative function

- ◇ **Long distance mode(250m):** 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 line can be broken, and the transmission distance can reach 250 meters, on the other hand, It can solve the problem of poor transmission caused by line aging.
- ◇ **Video monitoring mode:** When turned on together with the long-distance switch (250m), ports 1-8 are isolated from each other and ports 9-10 are interoperable, which can prevent DHCP conflicts, optimize port cache utilization, and reduce broadcast storms.

### ■ Stable and reliable, easy to use

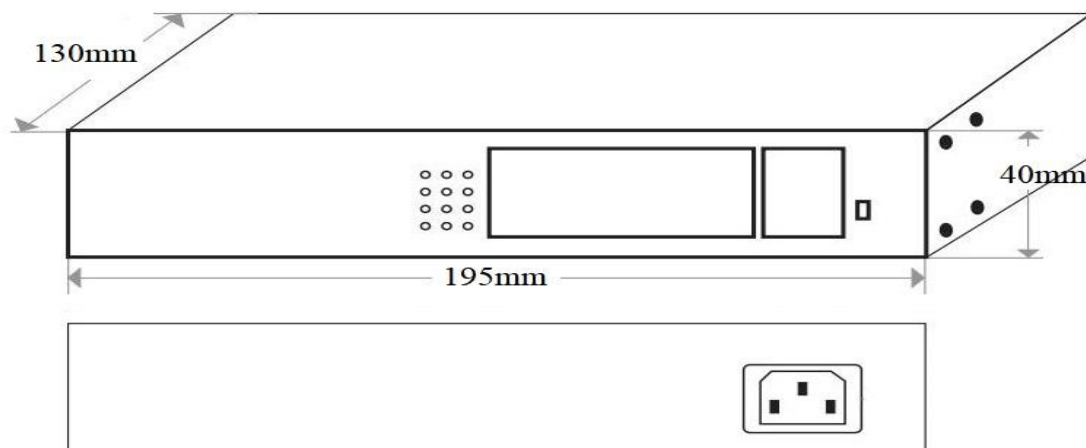
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, and PoE.
- ◇ Self-developed power supply, high redundancy design, providing a long-term and stable PoE power output.
- ◇ Low power consumption, galvanized steel casing, no fan, and excellent heat dissipation ensure the stable operation of the switch.

## TECHNICAL SPECIFICATION

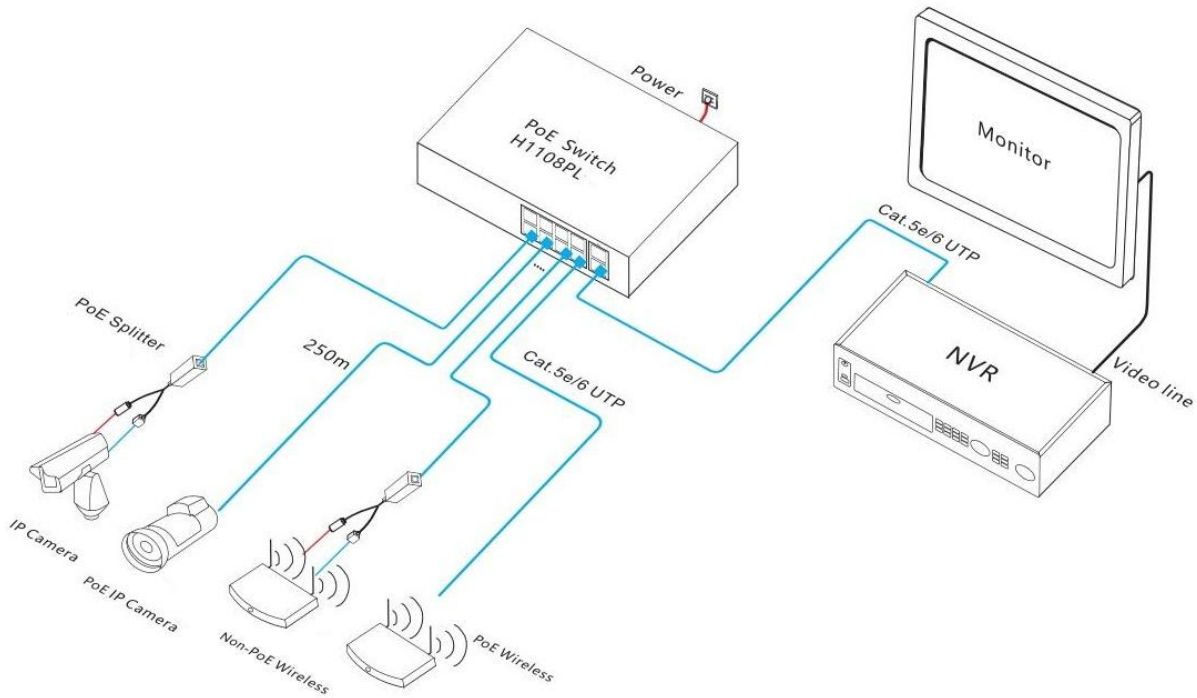
Model	ONV-H1064PL	ONV-H1108PL
<b>Interface Characteristics</b>		
Fixed Port	4*10/100Base-TX PoE ports (Data/Power) 2*10/100Base-TX uplink RJ45 ports (Data)	8*10/100Base-TX PoE ports (Data/Power) 2*10/100Base-TX uplink RJ45 ports (Data)
Ethernet Port	Port 1-6/ 1-10 can support 10/100Base-TX auto-detection, full/ half-duplex MDI/ MDI-X auto-sensing	
Functional Switch	1*(Extend+ VLAN) <b>Note:</b> When the switch status changes, the PoE switch must be restarted for the function switch to take effect.	
Twisted Pair Transmission	10BASE-TX: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)	
<b>Chip Parameter</b>		
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	1.6Gbps (Non-blocking)	2Gbps (Non-blocking)
Forwarding Rate@64byte	0.98Mpps	1.488Mpps
MAC	1K	
Buffer Memory	768K	
Jumbo Frame	9.6K	
LED Indicator	Power: PWR (Green), Network: L/A(Yellow), PoE: PoE (Green) Functional switch: 100m/250m (Green)	
<b>PoE &amp; Power Supply</b>		
PoE Port	Port 1 to 4	Port 1 to 8
Power Supply Pin	1/2(+) 3/6(-)	

Max Power Per Port	30W, IEEE 802.3 af/at	
Total PWR / Input Voltage	65W/ (AC100-240V)	120W/ (AC100-240V)
Power Consumption	Standby<3W, Full load <65W	Standby <5W, Full load <120W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 1.1A	Built-in power supply, AC100~240V 50-60Hz, 2.0A
<b>Physical Parameter</b>		
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)	142.5*115*40mm	195*130*40mm
Net /Gross Weight	0.55kg / <0.8kg	0.7kg / 1.0kg
Installation	Desktop, wall-mounted	
<b>Certification &amp; Warranty</b>		
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Warranty	1 year, lifelong maintenance.	

## DIMENSION



## APPLICATION



## ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H1064PL	Unmanaged PoE switch with 6*10/100M RJ45 ports. Port 1-4 can support IEEE 802.3 af/at PoE standard. Port 1-4 can support 10M/250 meters transmission when the functional switch is on 250m, and built-in power supply.	65W
ONV-H1108PL	Unmanaged PoE switch with 10*10/100M RJ45 ports. Port 1-8 can support IEEE 802.3 af/at PoE standard. Port 1-8 can support 10M/250 meters transmission when the functional switch is on 250m, and built-in power supply.	120W

## PACKING LIST

	Content	Qty	Unit
Packing List	10-port 10/100M PoE switch	1	SET
	AC Power Cable	1	PC
	User Guide	1	PC
	Warranty Card	1	PC

## CONTACT US

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