

Product Datasheet

10-port 10/100Mbps Non-standard PoE Switch

(ONV-H2108PL)



OVERVIEW

The ONV-H2108PL is a non-standard PoE switch independently developed by ONV. It has 8*10/100M PoE ports and 2*10/100M uplink RJ45 ports. Port 1-8 can support 24V non-standard PoE. Single-port PoE power up to 24W. As a non-standard PoE power supply device, it must be connected to the corresponding non-standard electrical equipment (such as a wireless bridge), or the corresponding non-standard separation line to convert, and then achieve the PoE power supply. It can supply power to various adaptable terminals through network cables to meet the demand for high density PoE power supply network environment. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises to establish cost-effective networks.

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

FEATURE

■ 10/100Mbps access, Dual RJ45 ports

- ◇ Provides 8*10/100M RJ45 ports and 2*10/100M RJ45 ports, which is more convenient for users to flexibly set up to meet the network 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 function

- ◇ 8*10/100Base-TX RJ45 ports can support 24V PoE power supply meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ The maximum PoE output power of single port is 24W.
- ◇ It can quickly realize the power supply function of POE cable through the two ways of switching directly to non-standard electrical equipment or switch and non-standard separation line.

■ Easy to use

- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of Power, L/A.
- ◇ With function switch, port 1-8 can support 10M/250m transmission and video surveillance mode when turned on.

■ Stable and reliable

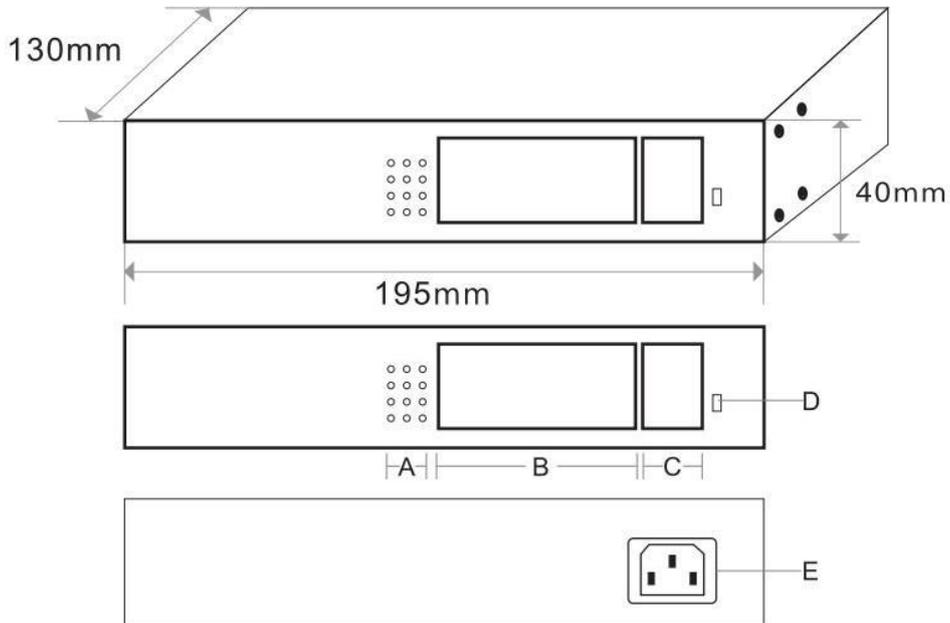
- ◇ CCC, CE, FCC, RoHS.
- ◇ Low power consumption, galvanized steel casing, No fan.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

TECHNICAL SPECIFICATION

Model	ONV-H2064PL	ONV-H2108PL
Interface Characteristics		
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	10/100Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Functional Switch (EXTEND)	Port 1-4 support port VLAN and 10M/250m transmission	Port 1-8support port VLAN and 10M/250m transmission
	Note: When the switch status changes, the PoE switch must be restarted for the switch function to take effect.	
Twisted Pair Transmission	10BASE-TX : Cat5 or later UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)	
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	1.6Gbps (Non-blocking)	2Gbps (Non-blocking)
Forwarding Rate@64byte	0.89Mpps	1.488Mpps
MAC	1K	2K
Buffer Memory	768K	1.25M
Jumbo Frame	1536byte	
LED Indicator	Power: PWR (Green), Network:L/A (Green), Function switch: EXTEND (Green)	
PoE & Power		

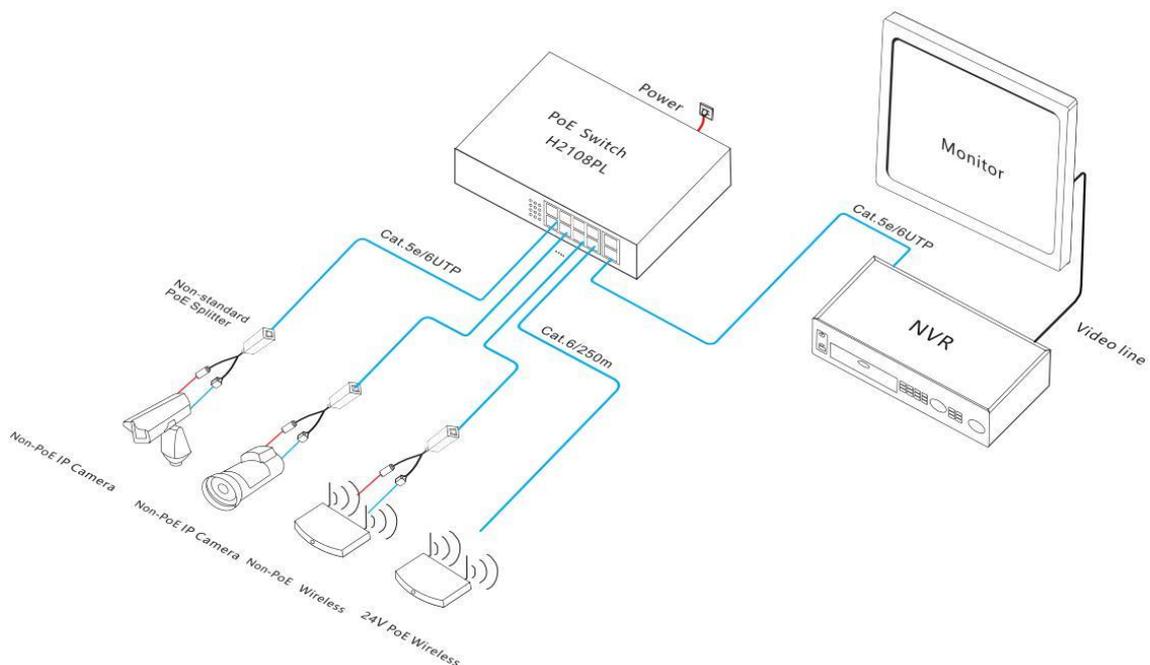
PoE Port	Port 1-4 can support 24V PoE	Port 1-8 can support 24V PoE
Power Supply Pin	Default 4/5 (+), 7/8 (-)	
Single-port Max/AVG Power	24W/15W	
Total PWR / Input Voltage	65W / (AC100-240V)	120W / (AC100-240V)
Power Consumption	Standby<3W, Full load<60W	Standby<5W, Full load<120W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 1A	Built-in power supply, AC100~240V 50-60Hz 2.2A
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)	142*115*40mm	195*130*40mm
Net /Gross Weight	<0.6kg / <1kg	<0.8kg / <1.2kg
Installation	Desktop, Wall-mounted, Rack 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	1 year, lifelong maintenance.	

DIMENSION



- A. Working indicator
- B. 8*10/100M non-standard PoE ports
- C. 2*10/100M RJ45 ports
- D. Multi-function switch
- E. Power input port AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H2064PL	Unmanaged PoE switch with 4*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. Port 1-4 support DC24V PoE output. Turn on the function switch(EXTEND), which can realize port 1-4 VLAN isolation and 10M/250m transmission.	65W
ONV-H2108PL	Unmanaged PoE switch with 8*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. Port 1-8 support DC24V PoE output. Turn on the function switch(EXTEND), which can realize port 1-8 VLAN isolation and 10M/250m transmission.	120W

Note: The PoE switch does not include mounting ears by default, and can be purchased separately if needed!

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	10-port 10/100Mbps non-standard PoE switch	1	SET
	AC Power Cable	1	PC
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US



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