

Product Datasheet

10-port 10/100M Non-standard PoE Switch (ONV-H2108PL)



OVERVIEW

The ONV-H2108PL is a 10/100M non-standard 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 24V non-standard PoE+ and single-port PoE power up to 18W. As a non-standard PoE power supply device, it must be connected to the corresponding non-standard electrical equipment (such as wireless bridge, building visual intercom, etc.), or the non-standard PoE splitter 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 a 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. Plug and play, no configuration, easy to use.

FEATURE

■ 10/100M access

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Provides 10*10/100M RJ45 ports, 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 24V PoE power supply meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ Quickly implement PoE network cable power supply through the switch to directly connect non-standard electrical equipment or the switch and non-standard PoE splitter cable.

■ Stable and reliable

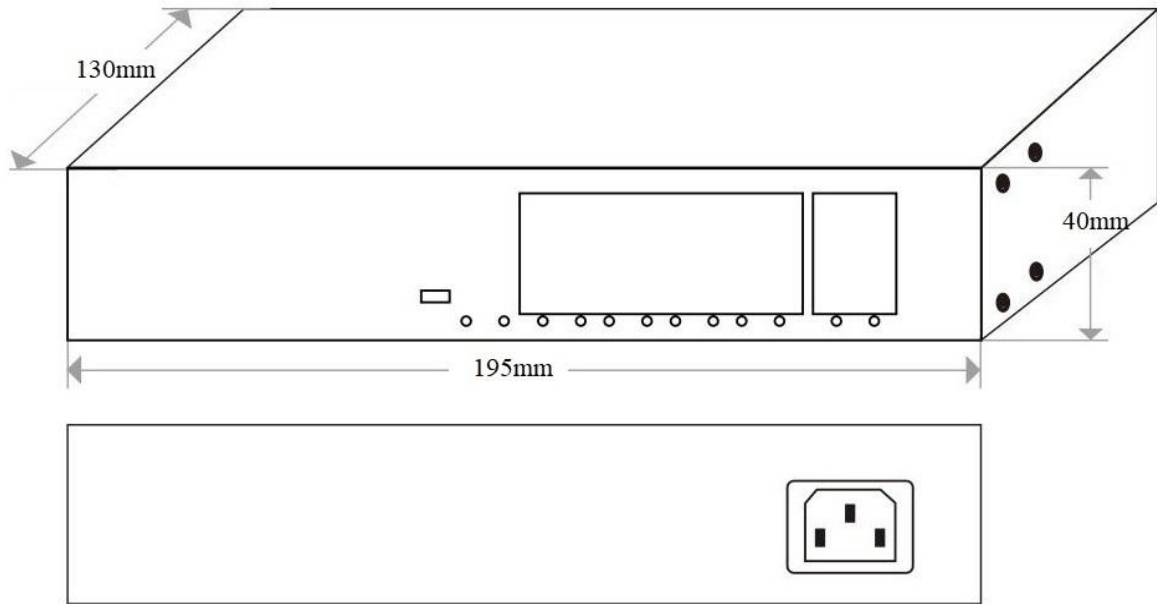
- ◇ CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of Power and L/A.
- ◇ Self-developed power supply, high redundancy design, providing a long-term and stable PoE power output.
- ◇ Low power consumption, galvanized steel housing, and excellent heat dissipation to ensure stable operation of the switch.
- ◇ When the function switch is set to the 250m position, ports 1–8 support 10M/250-meter transmission and port VLAN isolation.

TECHNICAL SPECIFICATION

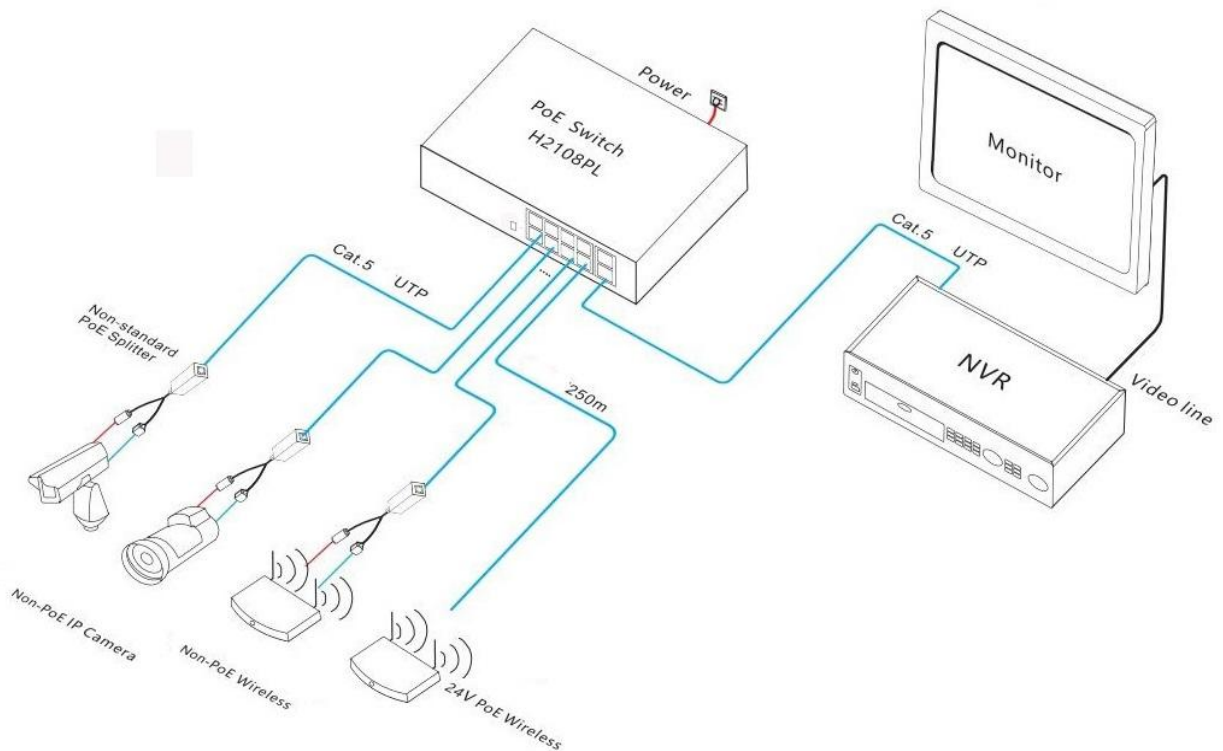
Model	ONV-H2108PL
Interface Characteristics	
Fixed Port	2*10/100Base-TX uplink RJ45 Ports (Data) 8*10/100Base-TX 24V PoE ports (Data /Power)
Ethernet Port	Port 1-10 can support 10/100Base-TX auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Function Switch (100m/ 250m)	When switched to the 250m position, the port 1-8 support 10M/250 meters transmission and VLAN isolation.
Twisted Pair Transmission	10BASE-TX: Cat5 or later UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)

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	1.488Mpps
MAC	2K
Buffer Memory	1.25M
Jumbo Frame	1536byte
LED Indicator	Power: PWR (Green), Function switch: 100m/250m (Green), Network: L/A (Green)
PoE& Power Supply	
PoE Port	Port 1-8 support 24V PoE+
Power Supply Pin	4/5(+), 7/8 (-)
Max Power Per Port	18W, non-standard PoE+
Total PWR/ Input Voltage	120W/ (AC100-240V)
Power Consumption	Standby<5W, full load<120W
Power Supply	Built-in power supply, AC100~240V, 50-60Hz, 2.2A
Physical Parameter	
Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH non-condensing
Storage TEMP/ Humidity	-40°C~+80°C, 5%~95% RH non-condensing
Dimension (L*W*H)	195*130*40mm
Net /Gross Weight	0.75kg/ 1.0kg
Installation	Desktop, wall-mounted
Certification& Warranty	
Lightning Protection	4KV 8/20us, Protection level: IP30
Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS
Warranty	1 year, lifelong maintenance

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H2108PL	PoE switch with 10*10/100M RJ45 ports. Port 1-8 support DC24V PoE output. When switched to the 250m position, the port 1-8 support 10M/250 meters transmission and VLAN isolation. Built-in power supply.	120W

Note: The mounting ears are not included and need to be purchased.

PACKING LIST

	Content	Qty	Unit
Packing List	10-port 10/100M non-standard PoE switch	1	PC
	AC Power Cable	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US



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