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 has 10*10/100M RJ45 ports. Port 1-8 can can support 24V non-standard PoE+ power supply and 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 wireless bridge), or the corresponding 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. Unmanaged mode, plug and play, no configuration, easy to use.

FEATURE

■　**10/100M access, Dual RJ45 ports**

◇　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.

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■ **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**

◇ 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 Power.

◇ Port 1-8 supports 10M/250 meters transmission when the functional switch is on 250m.

◇ Self-developed power supply, high redundancy design, providing a long-term and stable PoE power output.

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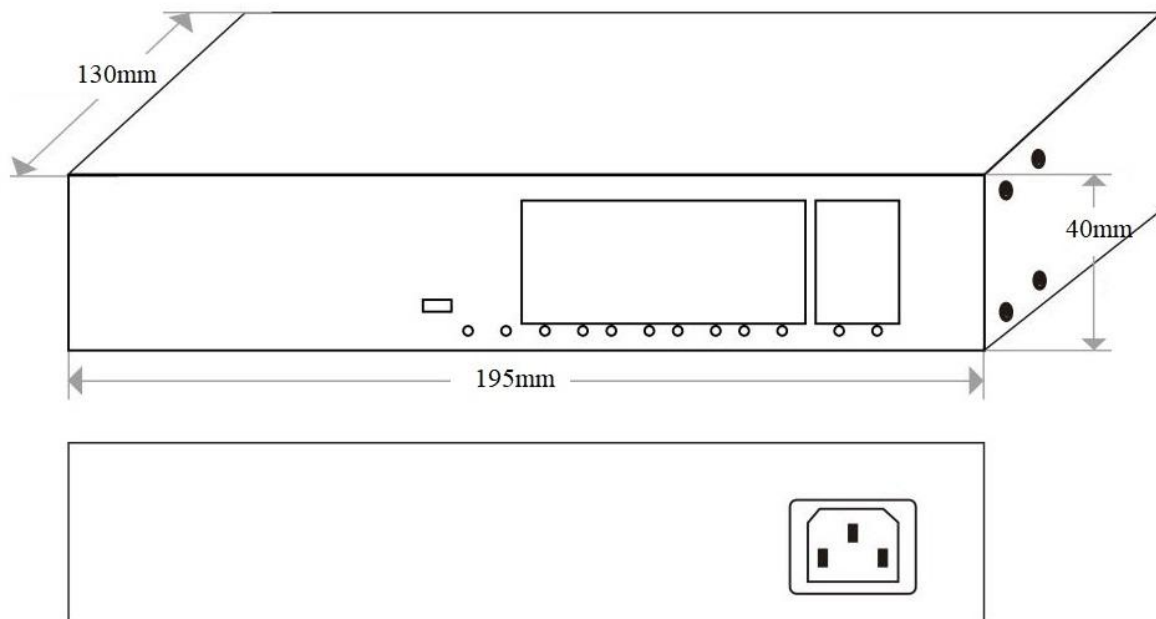
TECHNICAL SPECIFICATION

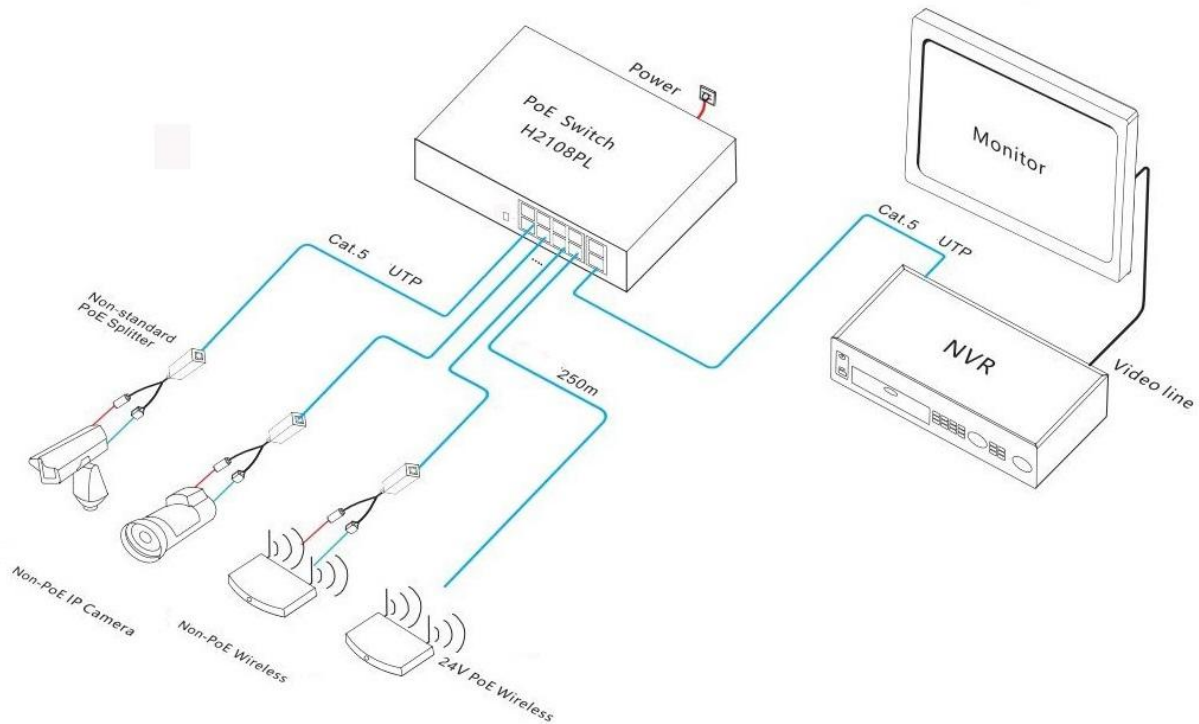| Model	ONV-H2064PL	ONV-H2108PL
Interface Characteristics		
Fixed Port	4*10/100Base-TX 24V PoE ports (Data /Power) 2*10/100Base-TX uplink RJ45 Ports (Data)	8*10/100Base-TX 24V PoE ports (Data /Power) 2*10/100Base-TX uplink RJ45 Ports (Data)
Ethernet Port	Port 1- 6/ 1-10 can support 10/100BaseT(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Functional Switch (100m/250m)	**250m:** Port 1-4/ 1-8 can support port VLAN and 10M/250 meters transmission when the functional switch is on 250m. **Note:** When the switch status changes, the PoE switch must be restarted	

	for the function switch to take effect.	
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	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: 100m/250m (Green)	
PoE & Power Supply		
PoE Port	Port 1-4	Port 1-8
Power Supply Pin	4/5(+) 7/8 (-)	
Max Single Port PoE Power	24W, non-standard PoE+	
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, 1.0A	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 /	-40~+75°C, 5%~95% RH Non condensing	

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Humidity		
Dimension (L*W*H)	142.5*115*40mm	195*130*40mm
Net /Gross Weight	0.55kg / 0.8kg	0.75kg / <1.0kg
Installation	Desktop, Wall-mounted	
Certification & Warranty		
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

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APPLICATION

ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H2064PL	Unmanaged PoE switch with 6*10/100M RJ45 ports. Port 1-4 support DC24V PoE output. Port 1-4 can support port VLAN and 10M/250 meters transmission when the functional switch is on 250m. Built-in power supply.	65W
ONV-H2108PL	Unmanaged PoE switch with 10*10/100M RJ45 ports. Port 1-8 support DC24V PoE output. Port 1-8 can support port VLAN and 10M/250 meters transmission when the functional switch is on 250m. Built-in power supply.	120W

PACKING LIST

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

(Packing List)

CONTACT US

ONV Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email:onv@onv.com.cn

Skype: onv@onv.com.cn

WeChat ID: ONV-PoE-IoT

Website: www.onvcom.com

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen

Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333, Zhongkai 6th

Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou