

Product Datasheet

18-port Gigabit Uplink Non-standard PoE Switch

(ONV-H2016PL)



OVERVIEW

The ONV-H2016PL is a Gigabit uplink non-standard PoE switch independently developed by ONV. It has 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 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, gigabit uplink RJ45 port**
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

- ◇ Provides 16*10/100M RJ45 ports and 2*10/100/1000M RJ45 ports which is more convenient for users to flexibly set up to meet the network requirements of various scenarios.

■ Smart PoE power supply

- ◇ The max PoE output power is 250W and the max PoE output power of single-port is 24W.
- ◇ 16*10/100Base-TX RJ45 ports can support 24V PoE power supply meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ 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 PoE splitter cable.

■ Stable and reliable, easy to use

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

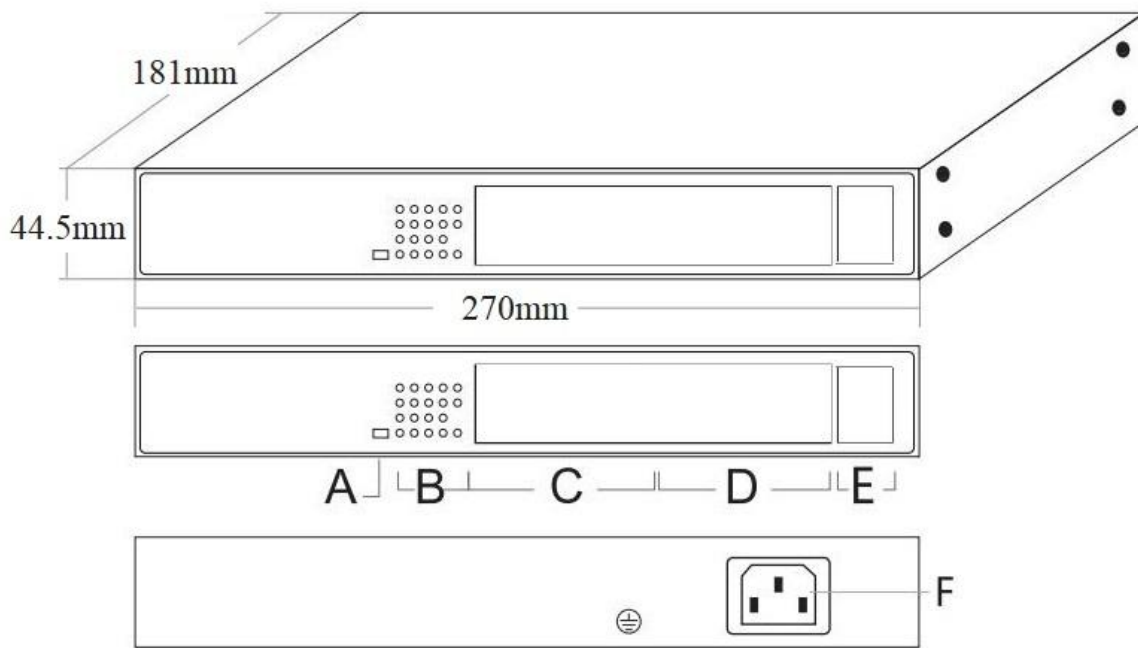
TECHNICAL SPECIFICATION

Model	ONV-H2016PL	ONV-H2024PL
Interface Characteristics		
Fixed Port	16*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T RJ45 ports (Data)	24*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T RJ45 ports (Data)
Ethernet Port	Port 1-16/ 1-24 can support 10/100Base-T(X) and port 1-17-18/ 25-26 can	

	support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Functional Switch (100m/ 250m)	Port 9-16/17-24 can support 10M/250 meters transmission when turned on Note: When the switch status changes, the PoE switch must be restarted for the functional switch function to take effect.	
Twisted Pair Transmission	10BASE-TX : Cat5 or later UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T :Cat5e or later UTP (≤100 meters)	
Chip Parameter		
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	14.8Gbps (non-blocking)	
Forwarding Rate@64byte	5.36Mpps	6.55Mpps
MAC	16K	
Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	Power: PWR (Green), Network: (Green)	
PoE&Power Supply		
PoE Port	Port 1-16	Port 1-24
Power Supply Pin	4/5(+) 7/8 (-)	
Max Power Per Port	24W, non-standard PoE+	
Total PWR / Input Voltage	250W /(AC100-240V)	
Power Consumption	Standby<15W, Full Load<250W	Standby<20W, Full Load<250W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz, 4.1A	
Physical Parameter		

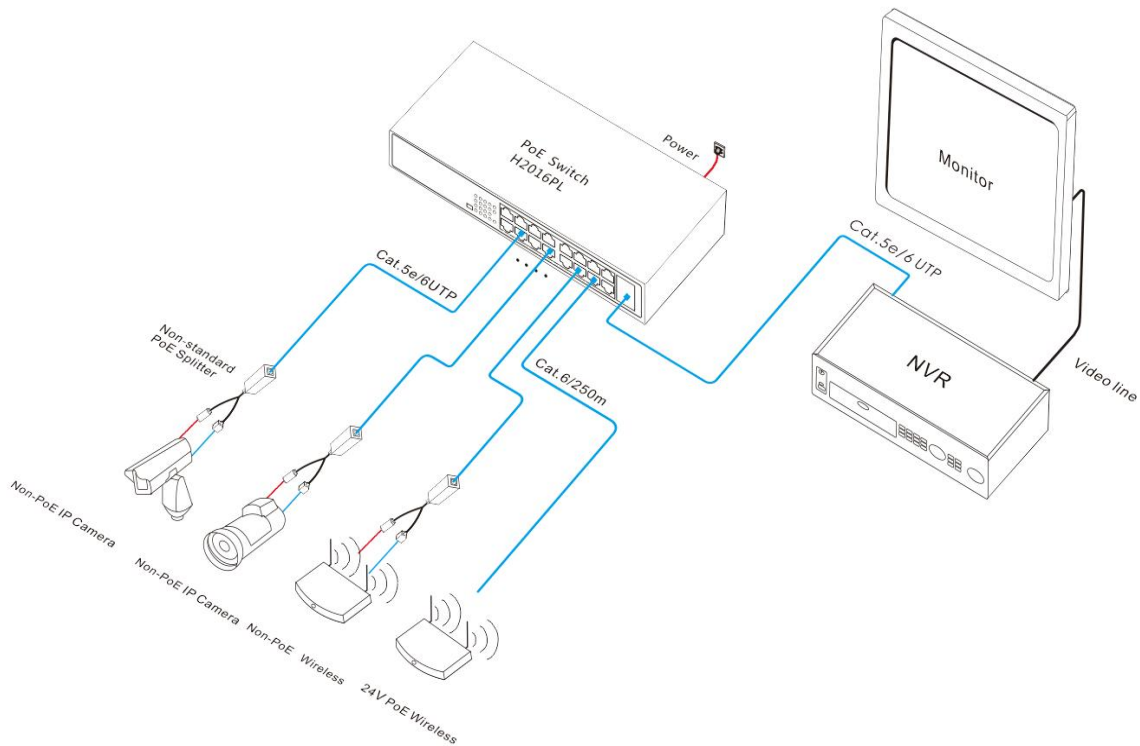
Operation TEMP/ Humidity	-20~+55°C, 5%~90% RH Non condensing	
Storage TEMP/ Humidity	-40~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	270*181*44.5mm	330*204*44mm
Net /Gross Weight	1.55kg/ 2.05kg	1.85kg/ 2.4kg
Installation	Desktop, wall mount, rack mount	
Certification & Warranty		
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Warranty	1 year, lifelong maintenance.	

DIMENSION



- A. 100m/250m switch
- B. Work indicator
- C. 100 meters 24V PoE ports
- D. Optional 250 meters 24V PoE ports
- E. 2*10/100/1000M RJ45 ports
- F. Power input port AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H2016PL	Unmanaged PoE switch with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support 24V non-standard PoE power supply and port 9-16 can support 10M/250 meters transmission.	250W
ONV-H2024PL	Unmanaged PoE switch with 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-24 support 24V non-standard PoE power supply and port 17-24 can support 10M/250 meters transmission.	250W

PACKING LIST

	Content	Qty	Unit
Packing List	18-port gigabit uplink non-standard PoE switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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