

Product Datasheet

26-port Gigabit Uplink PoE Switch

(ONV-H1024PL)



OVERVIEW

The ONV-H1024PL is an unmanaged Gigabit uplink PoE switch independently developed by ONV. It has 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-24 can support IEEE 802.3 af/at PoE standard, and single-port PoE power reaches 30W. As a PoE power supply device, it can automatically detect and identify powered devices that meet standards and power them through network cables. It can power wireless AP, IP cameras, Internet phones, video intercom, and other PoE terminal equipment through network cables to meet the network environment that requires a high-density PoE power supply. 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 required, simple and convenient to use.

FEATURE

■ 10/100M access, Gigabit uplink

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- ◇ Provides 24*10/100M PoE ports and 2*10/100/1000M 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.
- ◇ 24*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■ Stable and reliable, easy to use

- ◇ CCC, CE, FCC, RoHS.
- ◇ Support desktop and 1U-19 inch cabinet installation.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Port 17-24 can support 10M/250 meters transmission when the functional switch is on 250m.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, 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 to ensure the stable operation of the switch.

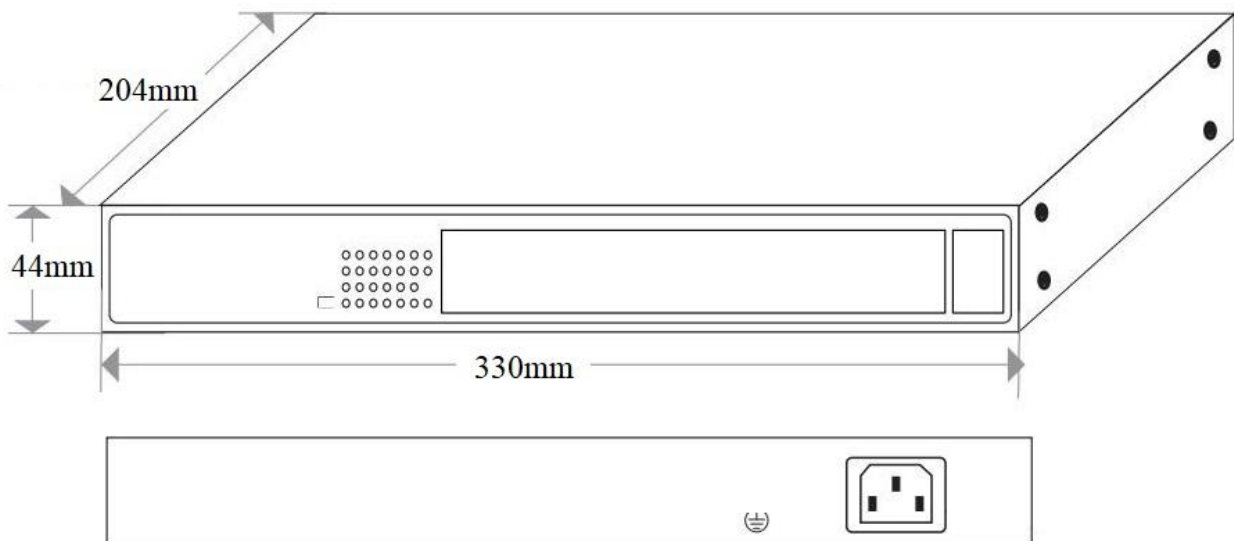
TECHNICAL SPECIFICATION

Model	ONV-H1016PL	ONV-H1024PL
Interface Characteristics		
Fixed Port	16*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)	24*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)
Ethernet Port	Port 1-16/ 1-24 support 10/100Base-TX and port 17-18/ 25-26 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X	

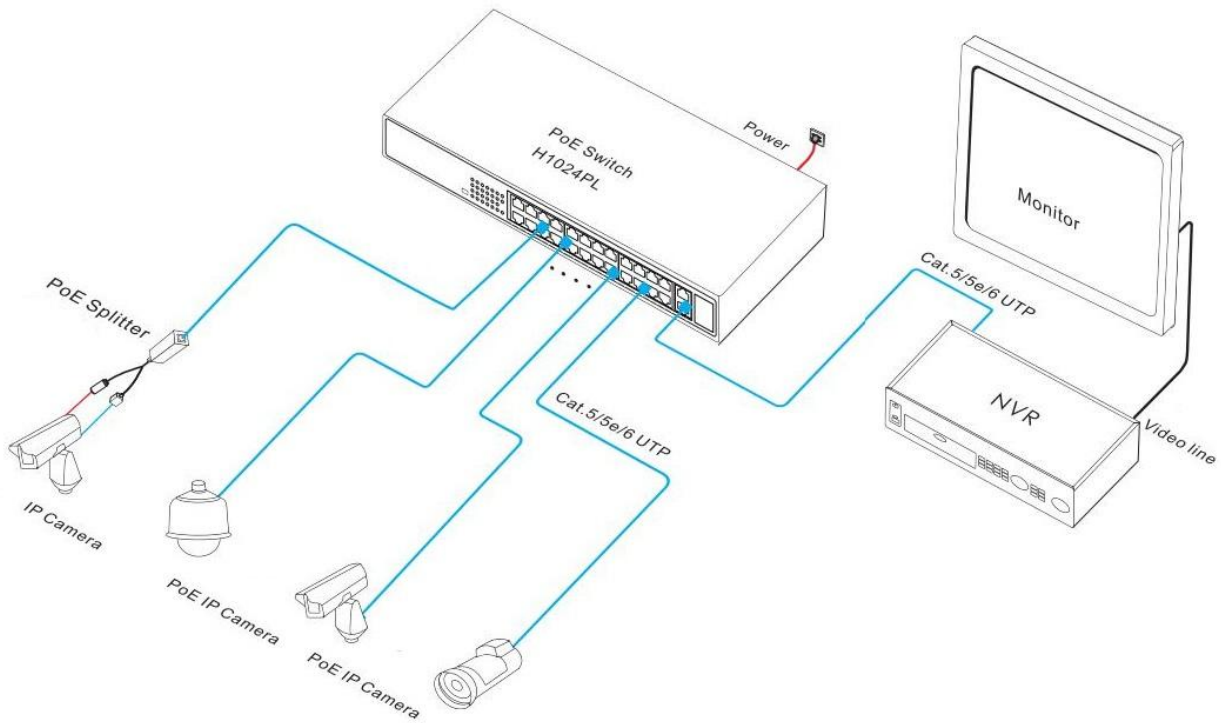
	self-adaption	
Functional Switch	Port 9-16/ 17-24 can support 10M/250 meters transmission when the functional switch is on 250m. Note: When the switch status changes, the PoE switch must be restarted for the function switch to take effect.	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤250 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x	
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	9.6K	
LED Indicator	Power: PWR (Green), Network : Link (Yellow), PoE: PoE (Green)	
PoE & Power Supply		
PoE Port	Port 1 to 16	Port 1 to 24
Power Supply Pin	1/2(+) 3/6(-)	
Max Power Per Port	30W, IEEE 802.3 af/at	
Total PWR / Input Voltage	250W/ (AC100-240V)	
Power Consumption	Standby<15W, Full load <250W	Standby <20W, Full load <250W
Power Supply	Built-in switching power supply, AC100~240V 50-60Hz, 4.1A	
Physical Parameter		
Operation TEMP/	-20~+55°C, 5%~90% RH Non condensing	

Humidity		
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 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



APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H1016PL	Unmanaged PoE switches with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support IEEE 802.3 af/at PoE standard. Port 9-16 can support 10M/250 meters transmission when the functional switch is on 250m. Built-in power supply.	250W
ONV-H1024PL	Unmanaged PoE switches with 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-24 can support IEEE 802.3 af/at PoE standard. Port 17-24 can support 10M/250 meters transmission when the functional switch is on 250m. Built-in power supply.	250W

PACKING LIST

	Content	Qty	Unit
Packing List	26-port gigabit uplink PoE switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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

Tel: 0086-755-33376606

Fax: 0086-755-33376608

WeChat: ONV-PoE-IoT

Email: onv@onv.com.cn

Skype: onv@onv.com.cn

Website: www.onvcom.com

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

Factory Address: Floor 4-6, Building A, Senyutai Industrial Park, No. 111, Huaning Road, Xinshi

Community, Dalang Street, Longhua District, Shenzhen

