Product Datasheet

26-port Gigabit Uplink PoE Switch

(ONV-H1024PLS)

OVERVIEW

The ONV-H1024PLS is a gigabit uplink unmanaged 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 PoE+ power supply, and single-port PoE power up to 30W. As a PoE power supply device, it can automatically detect and recognize the power-receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, IP camera, VoIP phone, and video access control intercom through a network cable that meets the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economically efficient network. Unmanaged mode, plug and play, no need for configuration, easy to use.

FEATURE

■ **10/100M access, Gigabit RJ45 uplink**

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x 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**

◇ 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.

◇ Comply with PoE+ power standard, automatically identify PoE devices for power without damaging non-PoE devices, and the single port max PoE output power is 30W.

■ **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.

◇ Low power consumption, fan active cooling, galvanized steel casing.

◇ 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.

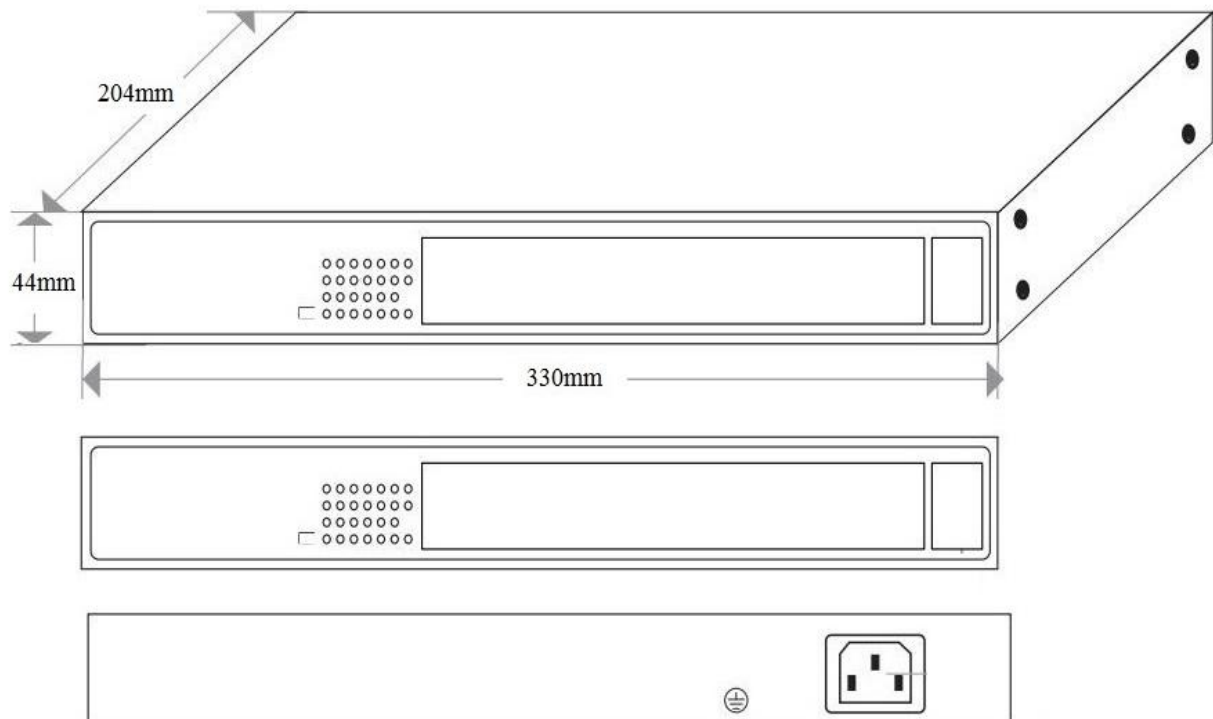◇ With function switch. port 17-24 can support 10M/250 meters transmission when the function switch is on 250m.

TECHNICAL SPECIFICATION

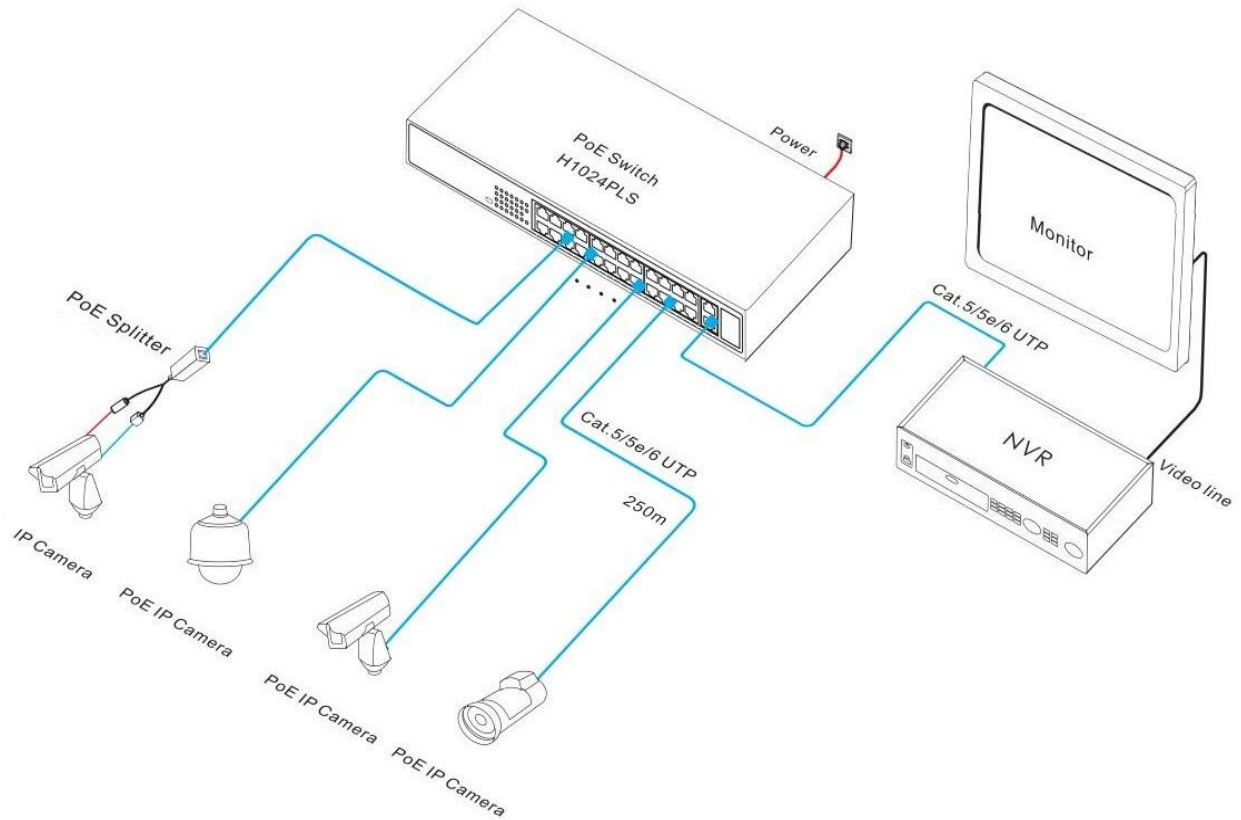| Model	ONV-H1024PLS
Interface Characteristics	
Fixed Port	24*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)
Ethernet Port	Port 1-24 can support 10/100Base-TX and port 25-26 can support

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	10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤250 meters)
	100BASE-TX: Cat5 or later UTP (≤100 meters)
	1000BASE-T: Cat5e or later UTP (≤100 meters)
Functional Switch	Function switch (100m/250m) default is off
	When 100m turned on, the default is 100 meters transmission.
	When 250m turned on, port 17-24 support 10M/250 meters transmission.

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	6.55Mpps
MAC	16K
Buffer Memory	4M
Jumbo Frame	10K
LED Indicator	Power: PWR (Green), Network: Link(Green), PoE: PoE (Green)

PoE & Power Supply

PoE Port	Port 1-24
Power Supply Pin	1/2(+) 3/6(-)
Max Power Per Port	30W, PoE+
Total PWR / Input Voltage	250W (AC100-240V)
Power Consumption	Standby <20W, Full load <250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 4.1A

Physical Parameter

Operation TEMP /	-20~+55°C, 5%~90% RH Non condensing

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Humidity	
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension (L*W*H)	330*204*44mm
Net /Gross Weight	1.85kg / 2.4kg
Installation	Desktop, wall mounted, rack mounted
Certification & Warranty	
Lightning Protection	Port 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-H1024PLS	Unmanaged PoE switch with 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-24 can support PoE+ power supply. Adjust the function switch (250m), port 17-24 can support 10M/250 meters transmission. Built-in power supply.	250W

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PACKING LIST

Packing List	Content	Qty	Unit
	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

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