

## 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.

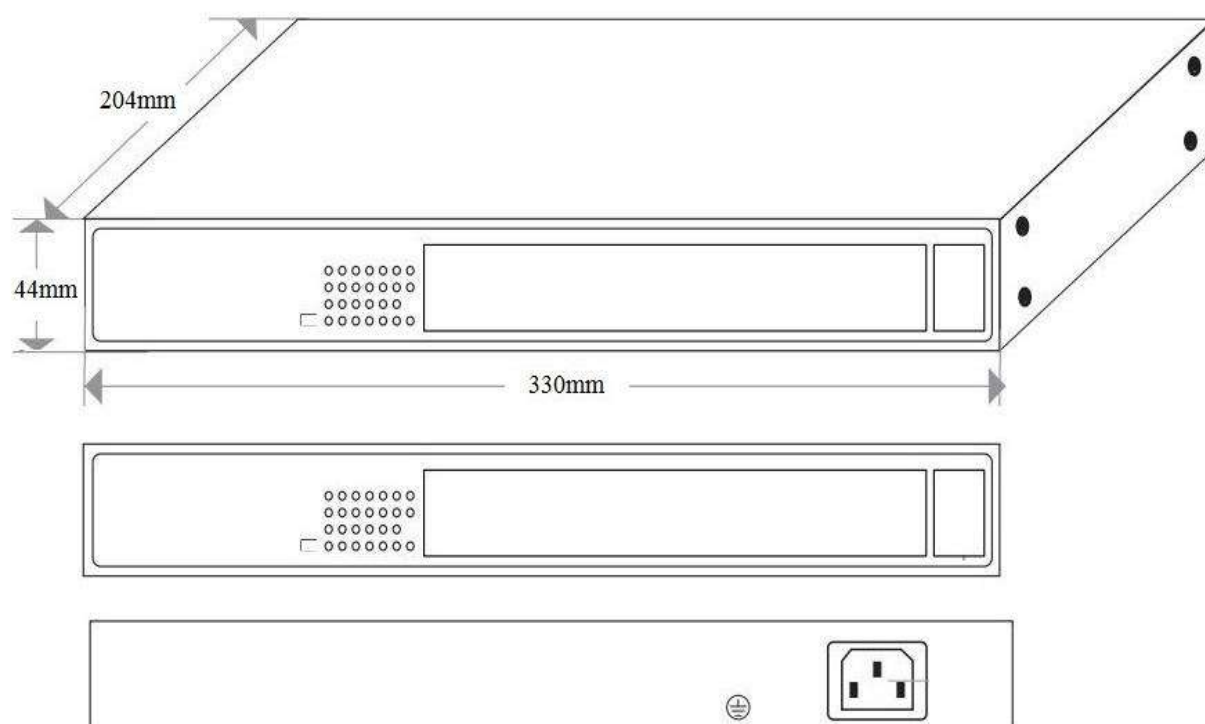
## TECHNICAL SPECIFICATION

| Model                            | ONV-H1024PLS                                                                            |
|----------------------------------|-----------------------------------------------------------------------------------------|
| <b>Interface Characteristics</b> |                                                                                         |
| Fixed Port                       | 24*10/100Base-TX PoE ports (Data/Power)<br>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                          |

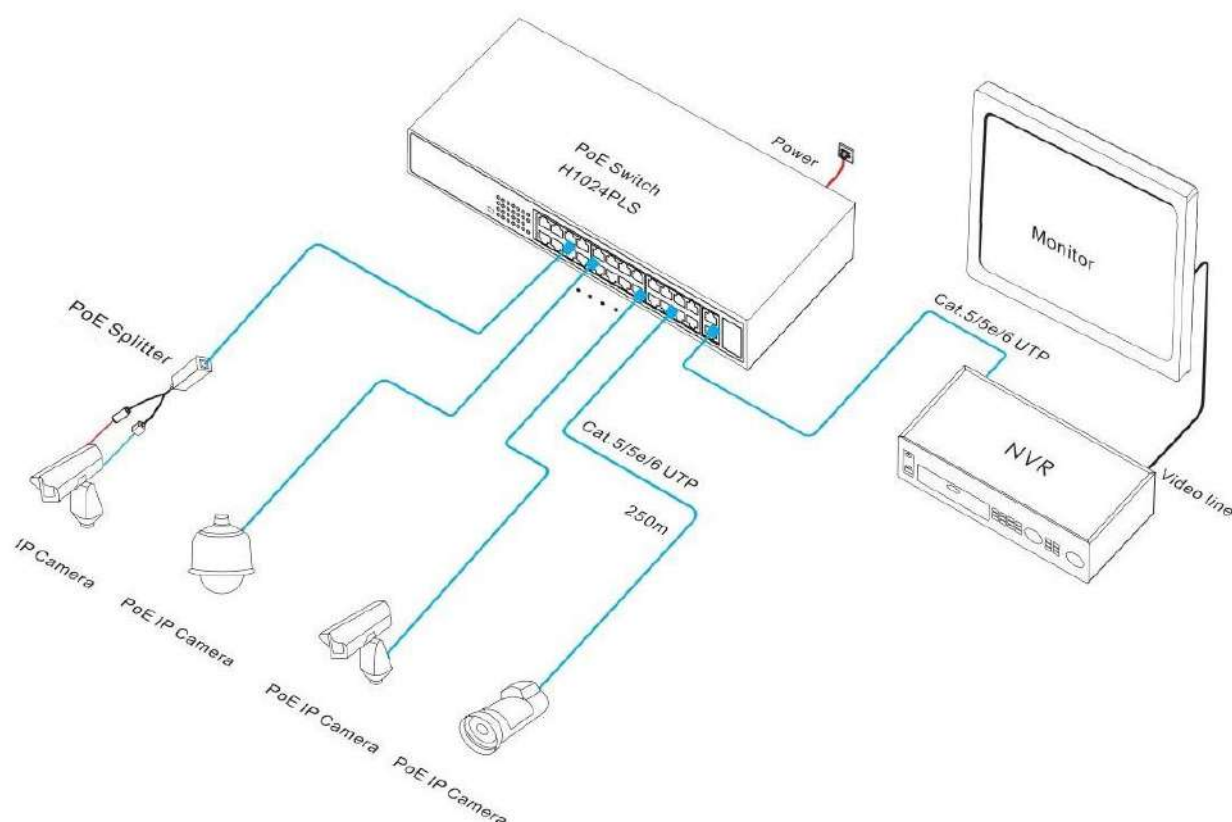
|                               |                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|                               | 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)<br>100BASE-TX: Cat5 or later UTP (≤100 meters)<br>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.                                                                |
| <b>Chip Parameter</b>         |                                                                                                                                     |
| Network Protocol              | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T<br>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)                                                                          |
| <b>PoE &amp; Power Supply</b> |                                                                                                                                     |
| 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                                                                                     |
| <b>Physical Parameter</b>     |                                                                                                                                     |
| 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)                   | 330*204*44mm                                                          |
| Net /Gross Weight                   | 1.85kg / 2.4kg                                                        |
| Installation                        | Desktop, wall mounted, rack mounted                                   |
| <b>Certification &amp; Warranty</b> |                                                                       |
| 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



## 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                  |

## 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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