Product Datasheet

# 26-port Gigabit Uplink PoE Switch

**(ONV-H1024PLS)**



## OVERVIEW

The ONV-H1024PLS is a Gigabit uplink PoE switch independently developed by ONV. It has 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Ports 1-24 support the PoE+ standard, and single-port PoE power is 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, video access control intercom, etc., through a network cable to meet 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, helping build an economical, efficient network. Unmanaged mode: plug-and-play, no configuration, easy to use.

## FEATURE

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

◇ Supports non-blocking wire-speed forwarding.

◇ Supports 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 systems, wireless coverage, and other scenarios.

◇ Complies 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

◇ CE, FCC, RoHS.

◇ Support desktop and 1U/19-inch cabinet installation.

◇ Plug and play, no configuration, simple and convenient.

◇ The user-friendly panel can show the device status through the LED indicators of PWR, Link, and PoE.

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

◇ With a function switch(250m), when it is opened, Ports 17-24 support 10M/250 meters transmission and PoE watchdog.

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

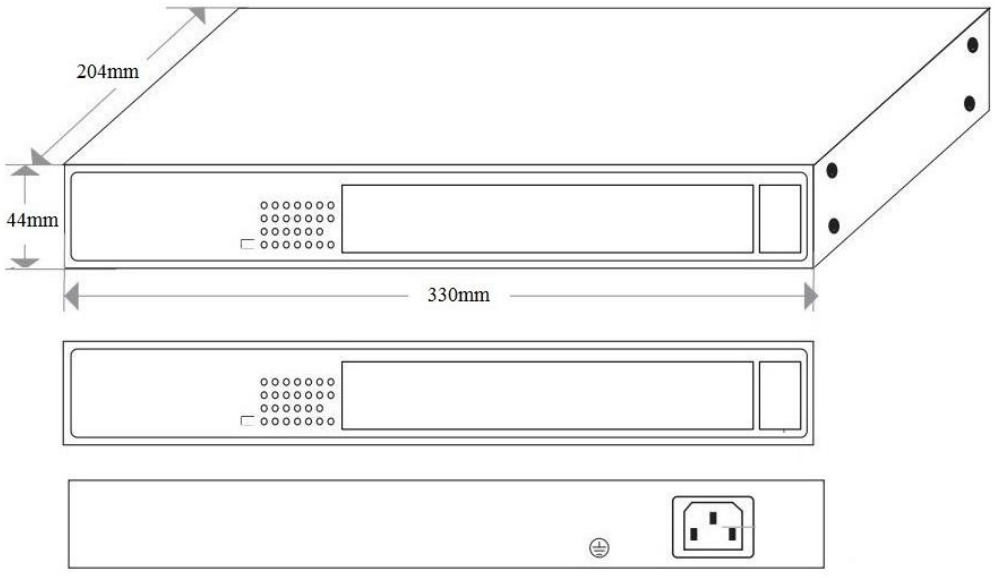
## TECHNICAL SPECIFICATION

| Model | ONV-H1016PLS | ONV-H1024PLS |
|---|---|---|
| **Interface Characteristics** | | |
| Fixed Port | 16*10/100Base-TX PoE ports (Data/ Power)<br>2*10/100/1000Base-T uplink RJ45 ports (Data) | 24*10/100Base-TX PoE ports (Data/ Power)<br>2*10/100/1000Base-T uplink RJ45 ports (Data) |

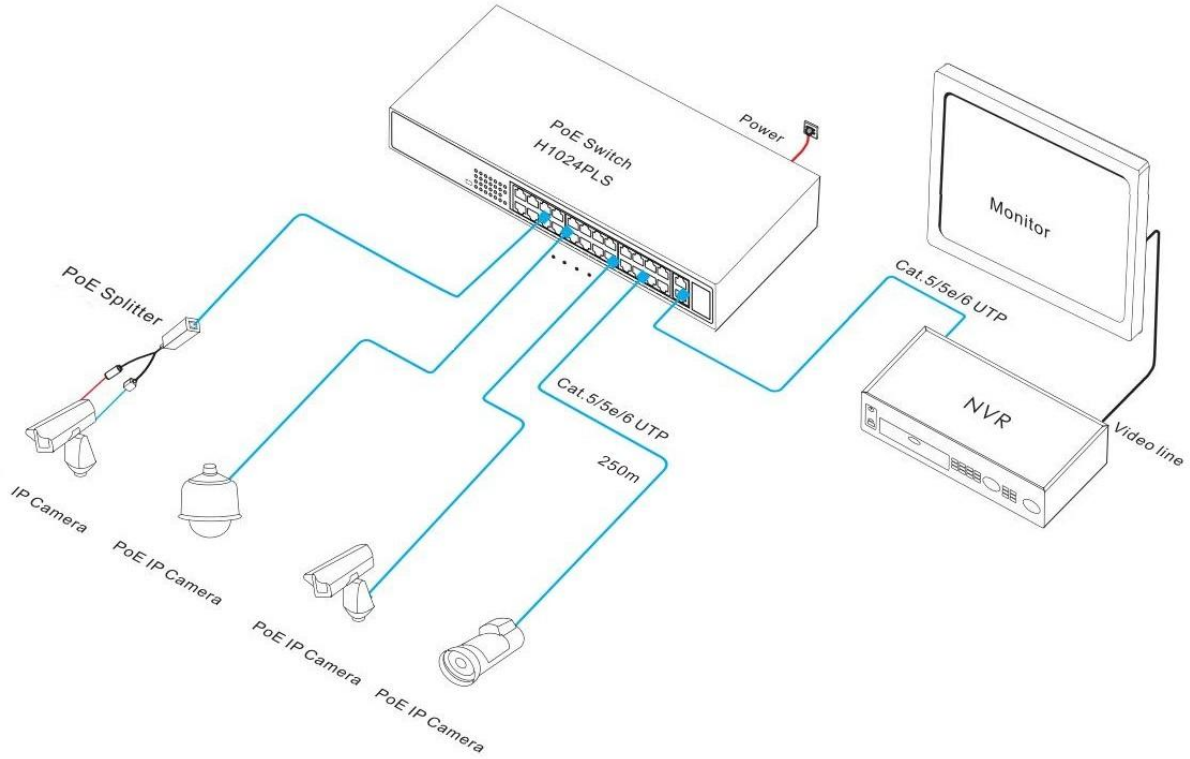
| | | |
|---|---|---|
| Ethernet Port | Ports 1-16 support 10/100Base-T(X) and port 17-18 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaptation | Ports 1-24 support 10/100Base-T(X) and port 25-26 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaptation |
| 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) | |
| Function Switch | When switched to the **250m** position, the ports 9-16 rate is 10M, the transmission distance is up to 250 meters, and it supports PoE watchdog.<br>When switched to the **100m** position, ports 1-16 rate is 100M, the transmission distance is 100 meters. | When switched to the **250m** position, the ports 17-24 rate is 10M, the transmission distance is up to 250 meters, and it supports PoE watchdog.<br>When switched to the **100m** position, ports 1-24 rate is 100M, the transmission distance is 100 meters. |
| **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 | 12Gbps (Non-blocking) | |
| Forwarding Rate@64byte | 5.36Mpps | 6.55Mpps |
| MAC | 2K | |
| Buffer Memory | 2M | |
| LED Indicator | Power: PWR (Green), Network: Link(Green), PoE: PoE (Green) | |
| **PoE & Power Supply** | | |
| PoE Port | Port 1-16 | |
| Power Supply Pin | 1/2(+) 3/6(-) | |

| | | |
|---|---|---|
| Max Power Per Port | 30W, PoE+ | |
| Total PWR/ Input Voltage | 180W (AC100-240V) | 250W (AC100-240V) |
| Power Consumption | Standby<15W, full load<180W | Standby<20W, full load <250W |
| Power Supply | Built-in power supply, AC100~240V 50-60Hz, 3.5A | Built-in power supply, AC100~240V 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 | 1.3kg/ 1.75kg | 1.85kg/ 2.4kg |
| Installation | Desktop, Wall mounted, 1U/19” rack mounted | |
| **Certification& Warranty** | | |
| Lightning Protection | Port lightning protection: 4KV 8/20us, Protection level: IP30 | |
| Certification | CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS | |
| Warranty | 1 year, lifelong maintenance | |

## DIMENSION



## APPLICATION




## ORDERING INFORMATION

| Model | Description | Built-in Power Supply |
|---|---|---|
| ONV-H1016PLS | PoE switch with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Ports 1-16 support the PoE+ standard. Adjust the function switch to 250m position, ports 9-16 support 10M/250 meters transmission and PoE watchdog. | 180W |
| ONV-H1024PLS | PoE switch with 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Ports 1-24 can support the PoE+ standard. Adjust the function switch to 250m position, ports 17-24 support 10M/250 meters transmission and PoE watchdog. | 250W |

# PACKING LIST

| | Content | Qty | Unit |
|---|---|---|---|
| Packing List | 26-port Gigabit uplink PoE switch | 1 | Set |
| | AC power line | 1 | PC |
| | Mounting Kits (hanging ears) | 1 | Set |
| | User guide | 1 | PC |
| | Warranty card | 1 | PC |

# CONTACT US

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