

Product Datasheet

10-port 10/100M Smart PoE Switch

(ONV-H1108PSD)



OVERVIEW

The ONV-H1108PSD is a 10/100M smart PoE switch independently developed by ONV. It has 8*10/100Base-TX RJ45 ports and 2*10/100Base-TX uplink RJ45 ports. Port 1-8 can support PoE+ power supply, and single-port PoE power reaches 30W. The PoE port supports the watchdog function. When the port communication fails, the PoE of the corresponding port will automatically restart, and the network communication will be restored by itself without affecting the normal operation of other ports. 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 building visual access control, intercom through a network cable, to meet the network environment that needs high-density PoE power supply, suitable for hotels, campuses, parks, supermarkets, scenic spots, factory quarters and small and medium-sized enterprises form a cost-effective network. Unmanaged mode, plug, and play, no configuration, easy to use.

FEATURE

■ 10/100M access, dual RJ45 port uplink

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ 10*10/100Base-TX RJ45 ports allow users to flexibly network to meet the networking requirements of various scenarios.

■ Smart PoE power supply

- ◇ Comply with PoE+ power standard, automatically identify PoE devices for power without damaging non-PoE devices.
- ◇ 8*10/100Base-TX RJ45 ports support PoE power to meet the needs of PoE power in various scenarios in the security field.

■ Innovative function

- ◇ **PoE watchdog:** The watchdog function is enabled by default for port 1 to 8, which can automatically detect the data communication status in real-time. When the port communication fails, the corresponding port PoE will automatically restart.
- ◇ **Long distance + VLAN mode (E):** When the switch is turned to ON (default OFF), the rate of ports 1-8 is 10Mbps, and the maximum transmission distance is up to 250 meters. At the same time, the physical VLAN isolation function of ports 1-8 is enabled.

■ Stable and reliable

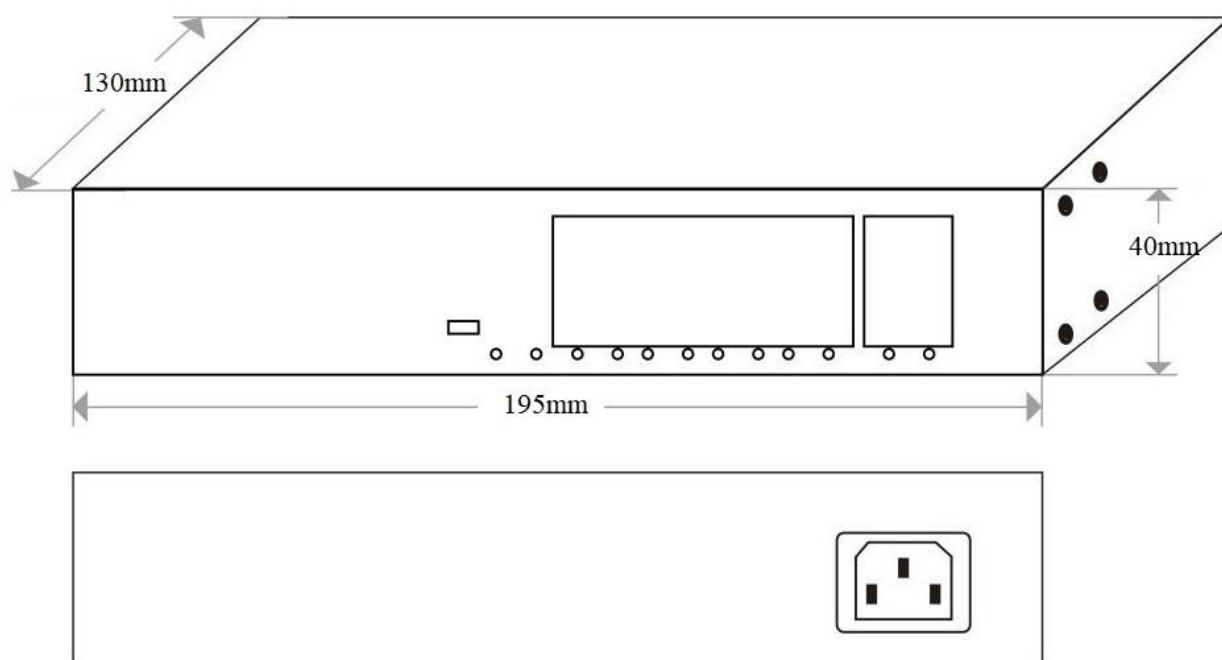
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ Low power consumption, galvanized steel housing, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

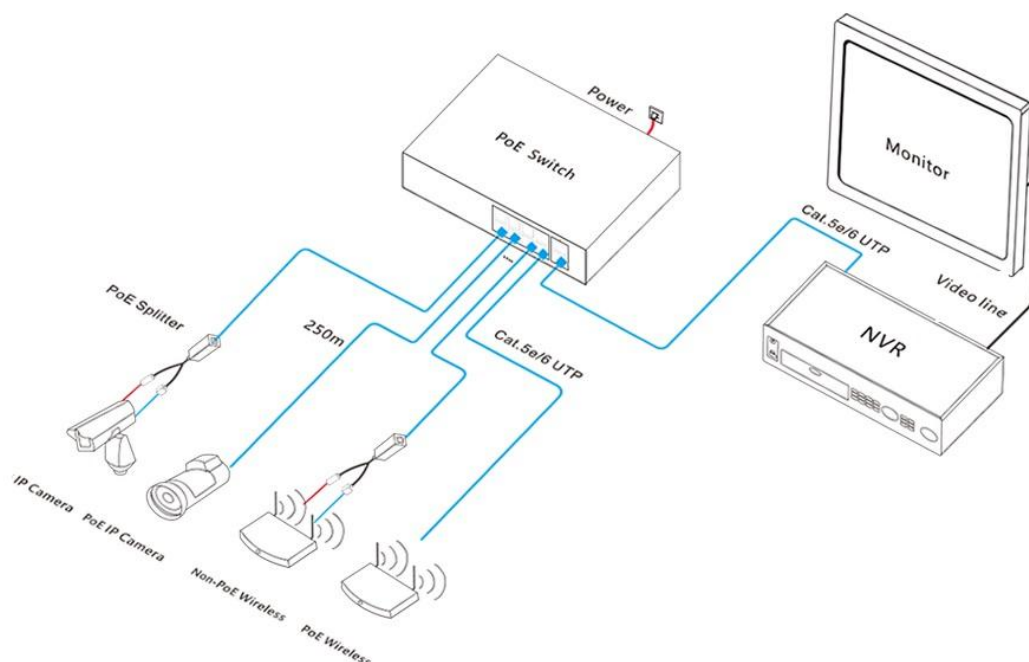
| Model | ONV-H1064PSD | ONV-H1108PSD |
|---------------------------|---|--|
| Interface Characteristics | | |
| Fixed Port | 4*10/100Base-TX PoE ports (Data /Power) | 8*10/100Base-TX PoE ports (Data /Power) |
| | 2*10/100Base-TX uplink RJ45 ports (Data) | 2*10/100Base-TX uplink RJ45 ports (Data) |
| Ethernet Port | Port 1- 6/ 1-10 can support 10/100Base-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) | |
| Function Switch | E file: long-distance and VLAN isolation (Default-OFF, enable-ON), when opening, port 1-4/ 1-8 support 10M/250m transmission | |
| Chip Parameter | | |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x | |
| Forwarding Mode | Store and forward (Full wire speed) | |
| Switching Capacity | 1.6Gbps | 2Gbps |
| Forwarding Rate@64byte | 0.89Mpps | 1.488Mpps |
| MAC | 1K | 2K |
| Buffer Memory | 768K | 1.25M |
| Jumbo Frame | 1536byte | |
| LED Indicator | Power: PWR (Green), Function switch: 100m/ 250m (Green), Network/ PoE: 1-6/ 1-10: (Green) | |
| PoE& Power Supply | | |
| PoE Port | Port 1 to 4 | Port 1 to 8 |
| Power Supply Pin | 1/2(+) 3/6(-) | |
| Max Power Per Port | 30W, PoE+ | |

| | | |
|--------------------------|---|--|
| Total PWR/ Input Voltage | 65W (AC100-240V) | 120W (AC100-240V) |
| Power Consumption | Standby<3W, full load<65W | Standby<5W, full load<120W |
| Power Supply | Built-in power supply, AC100-240V 50-60Hz, 1.0A | Built-in power supply, AC100-240V 50-60Hz, 2.2A |
| Physical Parameter | | |
| Operation Temp/ Humidity | -20~+55°C, 5%~90% RH non condensing | |
| Storage Temp/ Humidity | -40~+80°C, 5%~95% RH non condensing | |
| Dimension (L*W*H) | 142.5*115*40mm | 195*130*40mm |
| Net /Gross Weight | 0.55kg/ 0.8kg | 0.75kg/ 1.0kg |
| Installation | Desktop, Wall 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, RoHS | |
| Warranty | 1 year, lifelong maintenance. | |

DIMENSION



APPLICATION



ORDERING INFORMATION

| Model | Description | Built-in Power Supply |
|--------------|---|-----------------------|
| ONV-H1064PSD | Smart PoE switch with 4*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. 1-4 ports support the PoE+ standard, default support PoE watchdog (auto-restart PoE). Adjustment function switch, 1-4 ports support 10M/250 meters transmission. Built-in power supply. | DC52V/65W |
| ONV-H1108PSD | Smart PoE switch with 8*10/100M RJ45 ports and 2*10/100M uplink RJ45 ports. 1-8 ports support the PoE+ standard, default support PoE watchdog (auto-restart PoE). Adjustment function switch, 1-8 ports support 10M/250 meters transmission. Built-in power supply. | DC52V/120W |

Note: The mounting ears are not included and need to be purchased.

PACKING LIST

| Packing List | Content | Qty | Unit |
|--------------|---|-----|------|
| | 10-port 10/100M smart PoE switch | 1 | Set |
| | AC Power Cable | 1 | PC |
| | User Guide | 1 | PC |
| | Warranty Card and Certificate of Conformity | 1 | PC |

CONTACT US



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