

## Product Datasheet

# 10-port 10/100M Smart PoE Switch

(ONV-H1108PEBS)



## OVERVIEW

The ONV-H1108PEBS is a 10/100M smart PoE switch. It has 8\*10/100M RJ45 ports and 2\*10/100M uplink RJ45 ports. Port 1-8 can support PoE+ standard and single-port PoE power up to 30W. PoE port can support the watchdog servo function. When the port communication fails, the corresponding port PoE will automatically restart and restore network communication. PoE power supply has a delayed start function. The port power supply is turned on in sequence (within 2 seconds) to prevent the load from starting up with excessive current, and the power supply causes power overload protection. As a PoE power supply device, it can automatically detect and identify the power-receiving device that meets the standard and power it through the network cable. It can power wireless AP, IP camera, VoIP, video access control intercom, and other PoE terminal devices through the network cable to meet the network environment that requires a high-density PoE power supply. It is suitable for small and medium-sized enterprises such as hotels, campuses, parks, banks, hospitals, and factories to build economical and efficient networks. Plug and play, no configuration, simple and convenient to use.

## FEATURE

### ■ 10/100M access

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

### ■ Smart PoE power supply

- ◇ Comply with PoE+ standard, automatically identify PoE devices for power supply, and not damage 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.
- ◇ PoE port can support the watchdog function, which can automatically detect the data communication status in real time. When the port load crashes, the corresponding port PoE will automatically restart and repair the network communication.
- ◇ PoE port has a delayed startup function. The ports start completely within 2 seconds from left to right (the first port) to prevent the instantaneous unified power supply from causing instantaneous overload and power overload protection. It effectively solves the problem of power overload protection caused by capacitive load or large power required at startup.

### ■ Stable and reliable

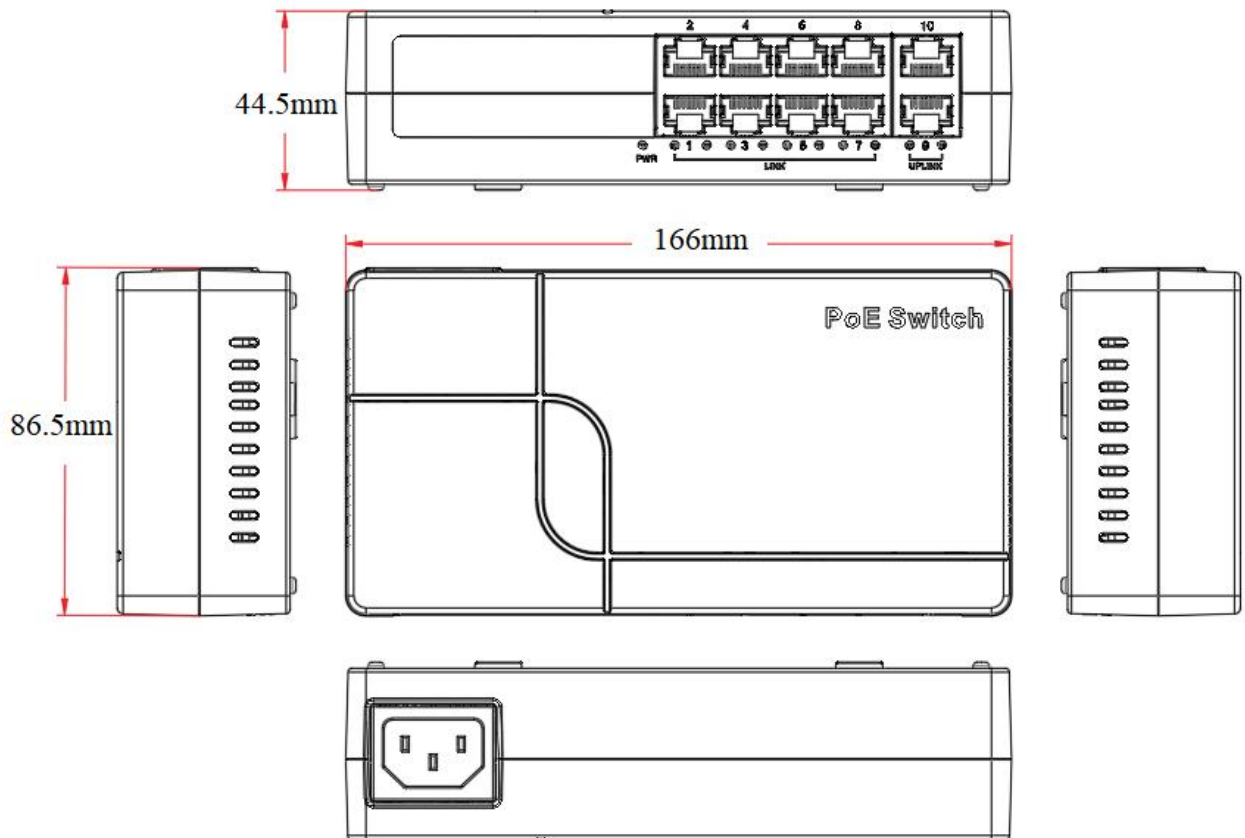
- ◇ Plug and play, no configuration, easy to use and maintain.
- ◇ The user-friendly panel can show the device status through the LED indicators of P and Link.
- ◇ Low power consumption, plastic housing, ventilation holes on the side, and excellent heat dissipation to ensure stable operation of the switch.

## TECHNICAL SPECIFICATION

Model	ONV-H1108PEBS	
<b>Interface Characteristics</b>		
Fixed Port	8*10/100Base-TX PoE ports (Data /Power) 2*10/100Base-TX uplink RJ45 ports (Data)	
Ethernet Port	Port 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 (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)	
<b>Chip Parameter</b>		
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	2.0Gbps (non-blocking)	
Forwarding Rate@64byte	1.49Mpps	
MAC	2K	
Buffer Memory	570K	
Jumbo Frame	4096byte	
LED Indicator	Power: PWR (Green), Network: Link (Green)	
<b>PoE&amp; Power Supply</b>		
PoE Port	Port 1-8	
Power Supply Pin	1/2(+) 3/6(-)	
Max Power Per Port	30W, PoE+	
Total PWR/ Input Voltage	70W/ (AC100-160V)	100W/ (AC160-240V)
Power Consumption	Standby<5W, full load<70W	Standby<5W, full load<100W
Power Supply	Built-in power supply, AC100-160V 50-60Hz, 2.0A	Built-in power supply, AC160-240V 50-60Hz, 2.0A
<b>Physical Parameter</b>		

Operation Temp/ Humidity	-20~+50°C, 5%~90% RH non-condensing
Storage Temp/ Humidity	-40~+75°C, 5%~95% RH non-condensing
Dimension (L*W*H)	166*86.5*44.5mm
Net /Gross Weight	0.35kg/ 0.55kg
Installation	Desktop, wall-mounted
<b>Certification&amp; Warranty</b>	
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-H1108PEBS	Smart PoE switch with 10*10/100M RJ45 ports. Port 1-8 can support PoE+ standard. It has watchdog function and delayed start function. Built-in power supply.	100W

## PACKING LIST

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

## CONTACT US

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