Product Datasheet

10-port Full Gigabit PoE Switch

(ONV-H3108PS)

OVERVIEW

The ONV-H3108PS is a full gigabit unmanaged PoE switch independently developed by ONV. It has 8*10/100/1000Base-T PoE ports and 2*10/100/1000Base-T uplink RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. 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, webcam, VoIP phone, video access control intercom, etc. through network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, factory quarters and small and medium-sized enterprises to form an economy efficient network.

Unmanaged model, plug and play, no configuration, easy to use.

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FEATURE

■   **Full gigabit rate, dual RJ45 ports uplink**

◇ Support IEEE 802.3x full-duplex flow control and Backpressure.

◇ Support non-blocking wire-speed forwarding for smoother transmission.

◇ Provides Gigabit Ethernet ports and dual RJ45 ports uplink for flexible networking and meets

the networking requirements of various scenarios.

■   **Intelligent PoE power supply**

◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.

◇ 8*10/100/1000Base-T 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.

■   **Stable and reliable, easy to use**

◇ CCC, CE, FCC, RoHS.

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

◇ Low power consumption, galvanized steel casing, no fan.

◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link,

PoE.

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

power output.

TECHNICAL SPECIFICATION

Model	ONV-H3064PS	ONV-H3108PS
Interface Characteristics		
Fixed Port	4*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)
Ethernet Port	Port 1-6/ Port 1-10 support 10/100/1000Base-T 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) 1000BASE-T: Cat5e or later UTP(≤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	16Gbps (Non-blocking)	20Gbps (Non-blocking)
Forwarding Rate@64byte	8.93Mpps	14.88Mpps
MAC	8K	2K
Buffer Memory	2M	
Jumbo Frame	9.2k	
LED Indicator	Power: PWR (Green), Network: Link (Green), PoE: PoE (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, IEEE802.3af/at	

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Total PWR / Input Voltage	65W/ (AC100-240V)	120W/ (AC100-240V)
Power Consumption	Standby <5W, Full load <65W	Standby <6W, Full load <120W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 1.1A	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~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	140*115*40mm	195*130*40mm
Net /Gross Weight	<0.6kg / <1.0kg	<0.9kg / <1.2kg
Installation	Desktop, Wall-mounted	
Certification & Warranty		
Lightning Protection	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.	

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DIMENSION
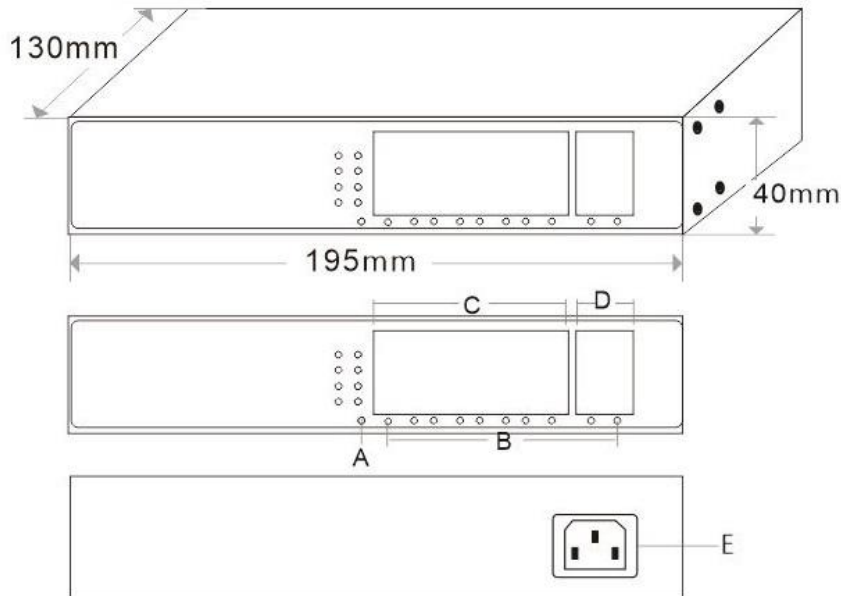
A. Working indicator   B. PoE indicator

C. 8x10/100/1000M PoE ports   D. 2*10/100/1000M uplink RJ45 ports

E. Power input port AC100-240, 50/60Hz

APPLICATION
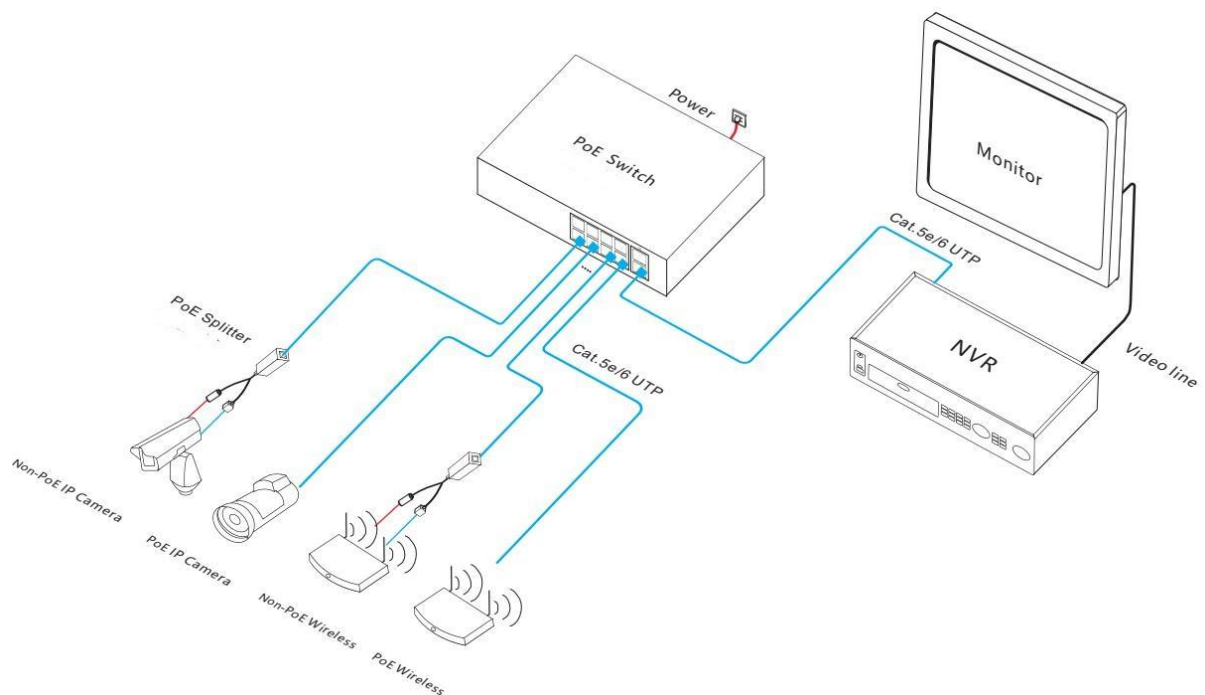
ORDERING INFORMATION

Model	Description
ONV-H3064PS	Unmanaged PoE switch with 4*10/100/1000M PoE ports and 2*10/100/1000M RJ45 ports. Port 1-4 can support IEEE802.3af/at PoE standard. Built-in 65W power supply.
ONV-H3108PS	Unmanaged PoE switch with 8*10/100/1000M PoE ports and 2*10/100/1000M RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. Built-in 120W power supply.

PACKING LIST

	CONTENT	QTY	UNIT
Packing List	10-port full gigabit PoE switch	1	SET
	AC Power Line	1	PC
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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