

## Product Datasheet

# 8-port 10/100M Ethernet Switch

(ONV-H1008ES)



## OVERVIEW

The ONV-H1008ES is an unmanaged 10/100M Ethernet switch independently developed by ONV. It has 8\*10/100Base-TX adaptive RJ45 ports. The scheme of the large backplane and large cache switching chip is preferred to improve the forwarding rate of large files and effectively solve the problems of video freeze and picture loss in the high-definition surveillance environment. It is suitable for hotels, banks, campuses, factory quarters, and small and medium-sized enterprises to establish a cost-effective network. Unmanaged mode, plug and play, no configuration, simple and convenient to use.

## FEATURE

### ■ 10/100M line speed transmission

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.

### ■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.

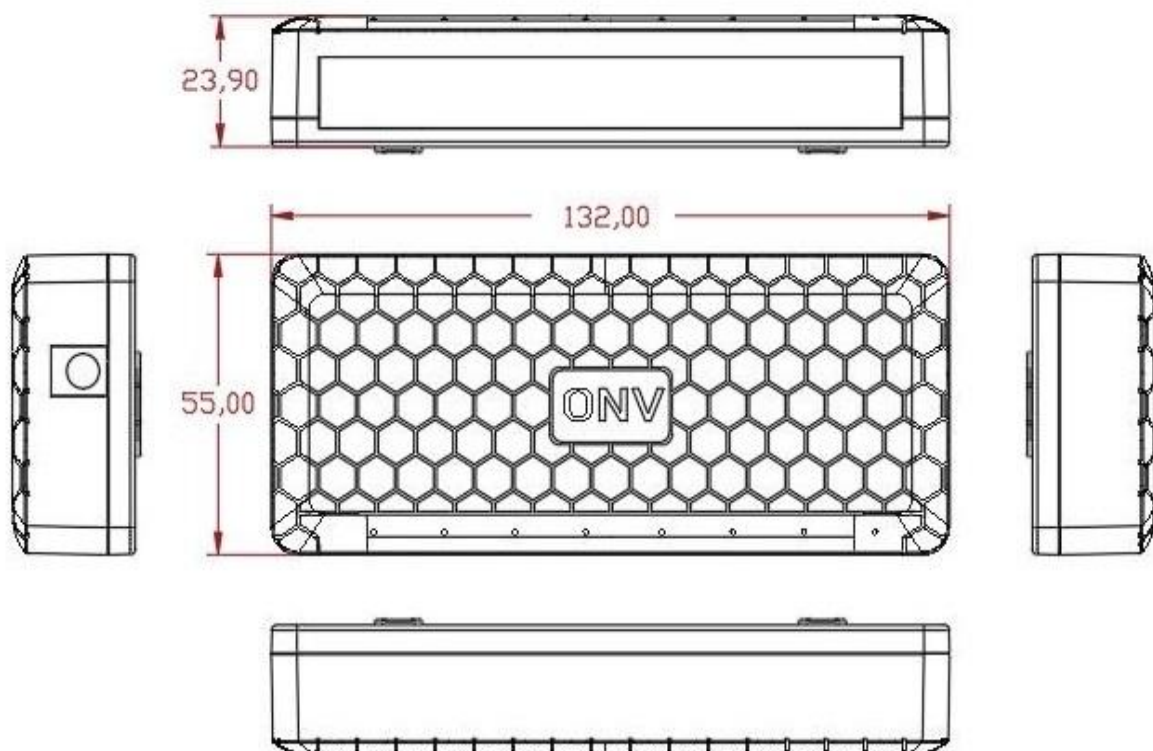
- ◇ Low power consumption, no fan, flame retardant plastic casing.
- ◇ The user-friendly panel can show the device status through the LED indicator of Link/ Act and PWR.

## TECHNICAL SPECIFICATION

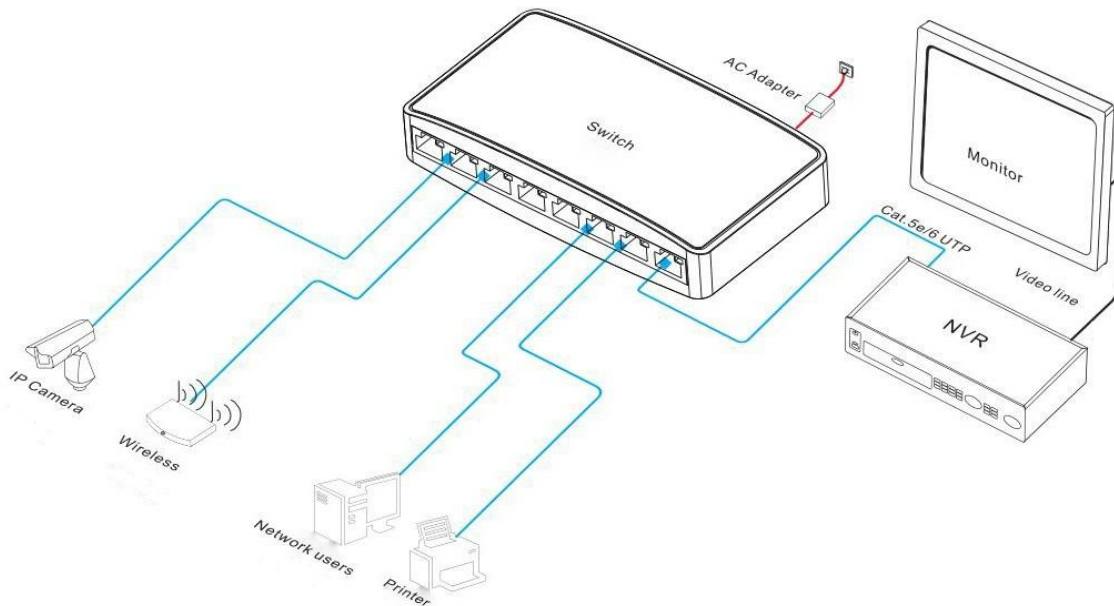
Model	ONV-H1005ES	ONV-H1008ES
<b>Interface Characteristics</b>		
Fixed Port	5*10/100Base-TX RJ45 ports (Data)	8*10/100Base-TX RJ45 ports (Data)
Ethernet Port	10/100Base-TX auto-sensing, full/ half duplex MDI/ MDI-X self-adaption.	
Twisted Pair	10BASE-T: Cat3,4,5 UTP (≤100 meters)	
Transmission	100BASE-TX: Cat5 or later UTP (≤100 meters)	
<b>Chip Parameter</b>		
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	1Gbps (Non-blocking)	1.6Gbps (Non-blocking)
Forwarding Rate @64byte	0.74Mpps	1.19Mpps
MAC	1K	
Buffer Memory	512K	768K
Jumbo Frame	1536byte	
LED Indicator	Power: PWR (Green), Network: Link/ Act(Green)	
<b>Power Supply</b>		
Total PWR / Input Voltage	5W/ (DC5V)	
Power Consumption	Standby<1W, Full Load<2W	Standby<1W, Full Load<3W
Power Supply	External power adapter, AC100~240V 50-60Hz, 0.56A	
<b>Physical Parameter</b>		

Operation TEMP/ Humidity	0°C~+55°C, 5%~90% RH Non condensing	
Storage TEMP/ Humidity	-40°C~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	87.7*55*23.9mm	132*55*23.9mm
Net /Gross Weight	0.08kg /0.18kg	0.1kg /0.2kg
Installation	Desktop, Wall mount	
<b>Certification &amp; Warranty</b>		
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.	

## DIMENSION



## APPLICATION



## ORDERING INFORMATION

Model	Description	External Power Adapter
ONV-H1005ES	Unmanaged Ethernet switch with 5*10/100M RJ45 ports. External power adapter.	DC5V/1A
ONV-H1008ES	Unmanaged Ethernet switch with 8*10/100M RJ45 ports. External power adapter.	

## PACKING LIST

	Content	Qty	Unit
Packing List	8-port 10/100M Ethernet switch	1	SET
	Power Adapter 5V/1A	1	PC
	User Guide	1	PC
	Warranty Card	1	PC

## CONTACT US

**ONV** Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: [onv@onv.com.cn](mailto:onv@onv.com.cn)

Skype: [onv@onv.com.cn](https://www.skype.com/people/onv@onv.com.cn)

WeChat ID: ONV-PoE-IoT

Website: [www.onvcom.com](http://www.onvcom.com)

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen

Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333, Zhongkai 6th Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou