

## Product Datasheet

# 5-port 10/100M Ethernet Switch

(ONV-H1005ES)



## OVERVIEW

The ONV-H1005ES is an unmanaged 10/100M Ethernet switch independently developed by ONV. It has 5\*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 model, 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.

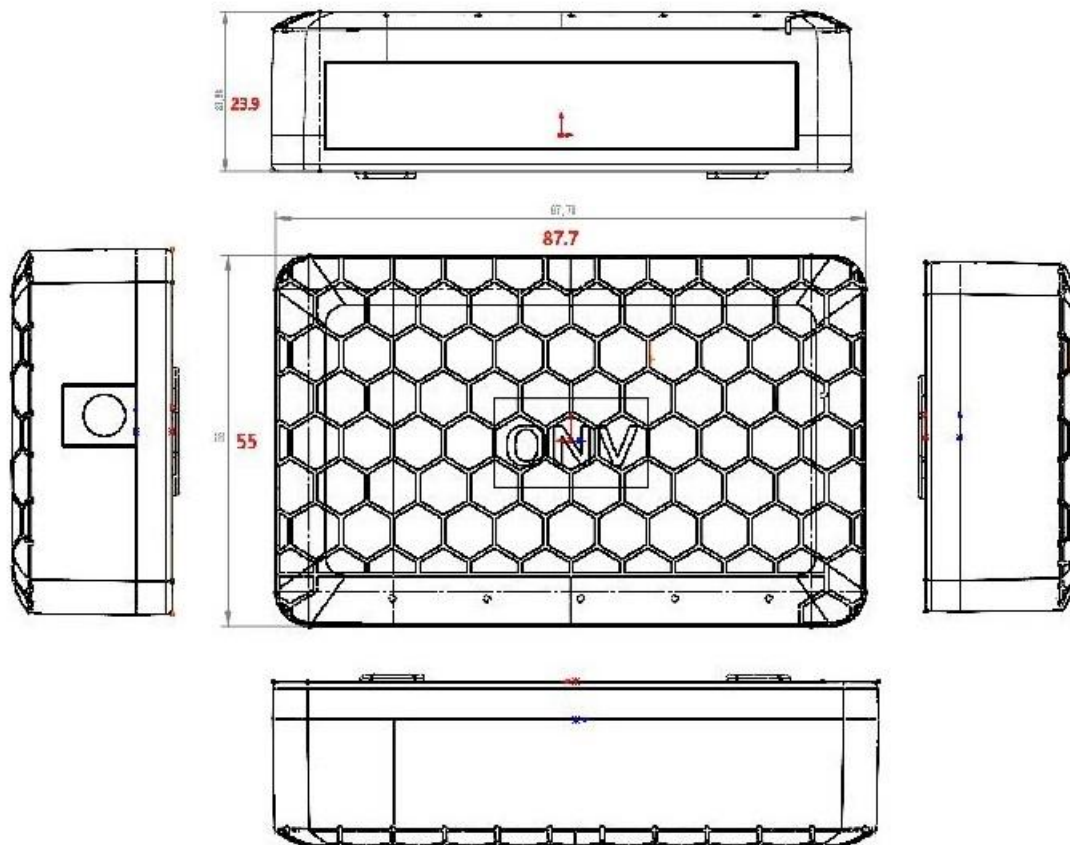
- ◇ Low power consumption, no fan, flame retardant plastic casing.
- ◇ The user-friendly panel can show the device status through the LED indicator of Link/ Act and PWR.

## TECHNICAL SPECIFICATION

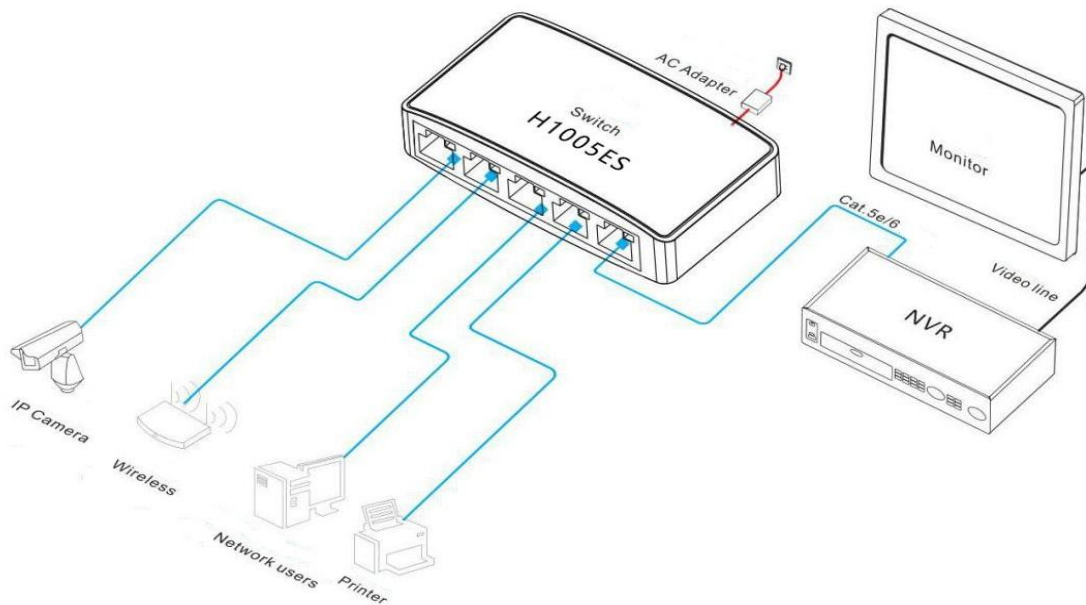
| Model                            | ONV-H1005ES  | ONV-H1008ES                       |
|----------------------------------|--|-----------------------------------|
| <b>Interface Characteristics</b> |  |                                   |
| Fixed Port                       | 5*10/100Base-TX RJ45 ports (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<br>@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<br>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/<br>Humidity         | 0°C~+55°C, 5%~90% RH Non condensing                                   |               |
| Storage TEMP/<br>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 | 5-port 10/100M Ethernet switch | 1   | SET  |
|              | Power Adapter 5V/1A            | 1   | PC   |
|              | User Guide                     | 1   | PC   |
|              | Warranty Card                  | 1   | PC   |

## CONTACT US

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