**Product Datasheet**

# 18-port Gigabit Ethernet Switch

## (ONV-H3016)

## OVERVIEW

The ONV-H3016 is a high-performance and easy-to-maintain high-speed forwarding unmanaged Ethernet switch independently developed by ONV. It is suitable for hotels, banks, campuses, factory dormitories, and small and medium-sized enterprises.

The ONV-H3016 has 16*10/100/1000M adaptive RJ45 ports. The bidirectional transmission rate is up to 2000Mbps, which realizes the convenient connection and expansion of the network. Each port support full line-speed forwarding. 4M large-capacity cache to ensure timely transmission of large files and stable video streaming. 7*24 hours of stability, and no disconnection effectively solving problems such as video freezes and picture loss in high-definition surveillance environments. The switch adopts an all-steel shell. Simple, stylish, and durable. Support desktop, wall-mounted, and 1U rack-mounted. Plug and play, no configuration, simple and convenient to use.

# FEATURE

■ **Full gigabit rate, high-speed transmission**

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

◇ Support 10/100/1000M adaptive RJ45 port, plug and play, to meet the networking needs of various scenarios.

■ **Stable and reliable**

◇ CE, FCC, RoHS.

◇ Low power consumption, metal casing.

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

■ **Easy to operate**

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

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

# TECHNICAL SPECIFICATION

| Model | ONV-H3016 | ONV-H3024 |
|---|---|---|
| **Interface Characteristics** | | |
| Fixed Port | 16*10/100/1000Base-T RJ45 ports (Data) | 24*10/100/1000Base-T RJ45 ports (Data) |
| Ethernet Port | 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption. | |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter) | |

| Chip Parameter | | |
|---|---|---|
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-TX, IEEE802.3x | |
| Forwarding Mode | Store and Forward(Full Wire Speed) | |
| Switching Capacity | 48Gbps (Non-blocking) | 52Gbps (Non-blocking) |
| Forwarding Rate@64byte | 23.81Mpps | 35.71Mpps |
| MAC | 8K | |
| Buffer Memory | 4M | |
| LED Indicator | Power: PWR (Green), Network: Link(Green) | |
| **Power Supply** | | |
| Total PWR / Input Voltage | 15W (AC100-240V) | 18W (AC100-240V) |
| Power Consumption | Standby<9W, Full Load<15W | Standby<10W, Full Load<18W |
| Power Supply | Built-in power supply, AC100~240V 50-60Hz 0.56A | |
| **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) | 270*181*44.5mm | 330*204*44mm |
| Net /Gross Weight | <1.25kg /<1.6kg | <2.0kg /<2.4kg |
| Installation | Desktop, Wall-mounted, 1U/19 inch | |
| **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

# APPLICATION

# ORDERING INFORMATION

| Model | Description | Configure Power Supply |
|---|---|---|
| ONV-H3016 | Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports. Built-in power supply. Support 1U/19 inch rack installation. | 20W |
| ONV-H3024 | Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports. Built-in power supply. Support 1U/19 inch rack installation. | |

# PACKING LIST

| | CONTENT | QTY | UNIT |
|---|---|---|---|
| PACKING LIST | 18-port gigabit Ethernet switch | 1 | SET |
| | AC Power Cable | 1 | PC |
| | Mounting Kits | 1 | SET |
| | User Guide | 1 | PC |
| | Warranty Card | 1 | PC |

# RELATED PRODUCT

| Model | Description |
|---|---|
| ONV-H1005S | Mini unmanaged Ethernet switch with 5*10/100M RJ45 ports. External power supply. Plastic shell. |

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| ONV-H1008S | Mini unmanaged Ethernet switch with 8*10/100M RJ45 ports. External power supply.Plastic shell. |
|---|---|
| ONV-H3005S | Mini unmanaged Ethernet switch with 5*10/100/1000M RJ45 ports. External power supply. Plastic shell. |
| ONV-H3008S | Mini unmanaged Ethernet switch with 8*10/100/1000M RJ45 ports. External power supply. Plastic shell. |
| ONV-H1016 | Unmanaged Ethernet switch with 16*10/100M RJ45 ports. Built-in power supply. Support 1U/19 inch rack installation. Metal shell. |
| ONV-H1024 | Unmanaged Ethernet switch with 24*10/100M RJ45 ports. Built-in power supply. Support 1U/19 inch rack installation. Metal shell. |

## CONTACT US

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