

Product Datasheet

8-port Gigabit Easy Managed Ethernet Switch (ONV-H3008M)



OVERVIEW

The ONV-H3008M is a gigabit Easy managed Ethernet switch independently developed by ONV. It has 8*10/100/1000Base-T adaptive RJ45 ports. Each port can support wire-speed forwarding. The ONV-H3008M can support Web management, as well as ONV-NMS network management platform and mobile APP cloud platform management, which can realize functions such as security network topology management, link aggregation, port management, port mirroring, and remote operation and maintenance. The Ethernet switch has high reliability, easy installation and maintenance, fast switching function, and multiple access ports, which are suitable for access to LAN devices of various scales. 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.

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.
- ◇ Full Gigabit Ethernet port, high speed, fast transmission, convenient for users to flexibly network, and meet various high-definition network requirements.

■ Extreme optimization, minimalist application

- ◇ Real-time fault alarm and fault location.
- ◇ Remote upgrade, remote restart, and factory reset.
- ◇ Local platform, cloud platform and mobile APP operation and maintenance management.
- ◇ Visualized network topology management, VLAN division, QoS, link aggregation, ring network management, port mirroring, port control and bandwidth management.
- ◇ According to the application requirements of the industry, we have abandoned the complicated network management configuration while retaining the practical network management functions. Through operation and maintenance platform, network deployment and centralized operation and maintenance can be quickly realized.

■ Stable and reliable, easy to operate

- ◇ CCC, CE, FCC and RoHS.
- ◇ Low power consumption, no fan, silent, galvanized steel shell, super heat dissipation.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link.

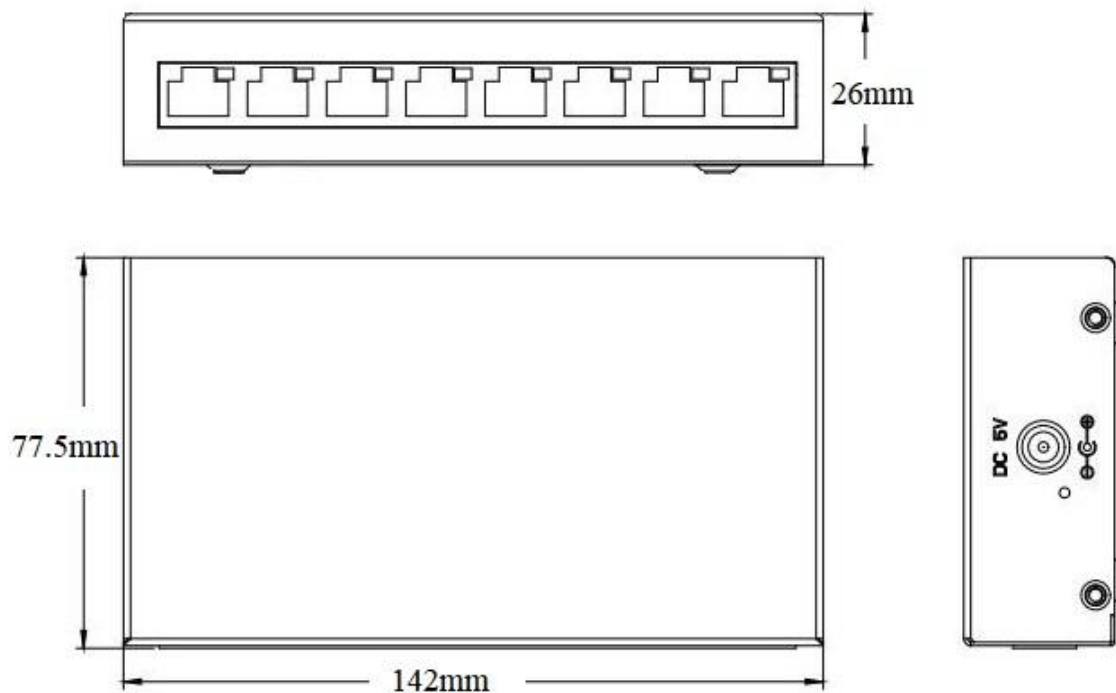
TECHNICAL SPECIFICATION

Model	ONV-H3005M	ONV-H3008M
Interface Characteristics		
Fixed Port	5*10/100/1000Base-T RJ45 ports (Data)	8*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 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)	
Chip Parameter		
Network Management Type	Simple web network management, cloud platform management	
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 line speed)	
Switching Capacity	10Gbps (Non-blocking)	16Gbps (Non-blocking)
Forwarding Rate@64byte	7.44Mpps	11.9Mpps
MAC	2K	
Buffer Memory	2M	
Jumbo Frame	9.2K	
LED Indicator	Power: PWR (Green), Data: Link/Act (Green)	
Reset Switch	Long press for 6 seconds and then release to restore default settings Short press 2 times (interval 1 second) to switch to the unmanaged state	
Power Supply		
Total PWR / Input	5W (DC5V)	

Voltage		
Power Consumption	Standby<1W, Full Load<5W	Standby<2W, Full Load<5W
Power Supply	External power adapter, AC100~240V 50-60Hz 0.56A	
Physical Parameter		
Operation TEMP / Humidity	-20°C~+55°C, 5%~90% RH Non condensing	
Storage TEMP / Humidity	-40°C~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	90*70*27mm	142*77.5*26mm
Net /Gross Weight	<0.2kg /<0.5kg	<0.35kg /<0.6kg
Installation	Desktop	
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.	
Software Parameter		
Interface	Port status display, Port traffic statistics Port duplex/ negotiation rate configuration EEE Energy-saving and green Ethernet function IEEE802.3x flow control configuration (Full-duplex)	
VLAN	Port-based IEEE802.1Q VLAN configuration (4K)	
Port Aggregation	Static aggregation	
Loop Protection	Loop protection function	
Multicast	IGMP Snooping v1/v2, Max 256 multicast groups	
Port Mirroring	Bidirectional data mirroring based on port	
QoS	Diff-Serv QoS, Priority mark/ remark 8*Output queues of each port, 802.1p/ DSCP priority mapping	

Security	Broadcast storm control, Port isolation, Port speed limit
DHCP	DHCP Snooping
Management	Mobile APP O&M management One-key recovery, Cable Diagnose, Web Management (HTTPS) ONV-NMS platform management (Local platform/ Cloud platform)
System	Category 5 and above Ethernet cable Web browser: Mozilla Firefox 2.5 or later, Google Chrome V42 or later TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in the network Cat 5 and above Ethernet cable

DIMENSION



ORDERING INFORMATION

Model	Description	External Power Adapter
ONV-H3005M	Easy managed Ethernet switch with 5*10/100/1000M RJ45 ports. It supports web management, centralized operation and maintenance of cloud platform and mobile app.	5W
ONV-H3008M	Easy managed Ethernet switch with 8*10/100/1000M RJ45 ports. It supports web management, centralized operation and maintenance of cloud platform and mobile app.	5W

PACKING LIST

	Content	Qty	Unit
Packing List	8-port gigabit Easy managed Ethernet switch	1	SET
	Power Adapter DC5V/1A	1	PC
	User Guide	1	PC
	Warranty Card	1	PC

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