

Product Datasheet

24-port Gigabit Ethernet Switch

(ONV-H3024)



OVERVIEW

The ONV-H3024 is a high-performance and high-speed forwarding Ethernet switch independently developed by ONV. It is suitable for hotels, banks, campuses, factory dormitories, and small and medium-sized enterprises.

The ONV-H3024 has 24*10/100/1000M adaptive RJ45 ports. Each port can 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. Plug and play, no configuration, simple and convenient to use.

FEATURE

■ Gigabit access, full line-speed forwarding

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- ◇ Support Gigabit adaptive RJ45 port to meet the networking needs of various scenarios.

■ Stable and reliable

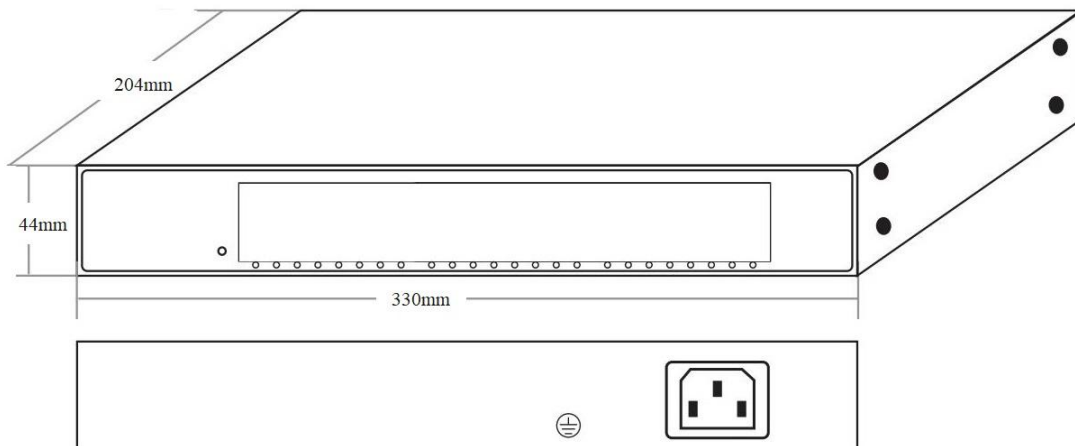
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR and Link.
- ◇ Adopt high stability power supply, high redundancy design to provide long-term stable power output.
- ◇ Low power consumption, no fan, metal housing, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

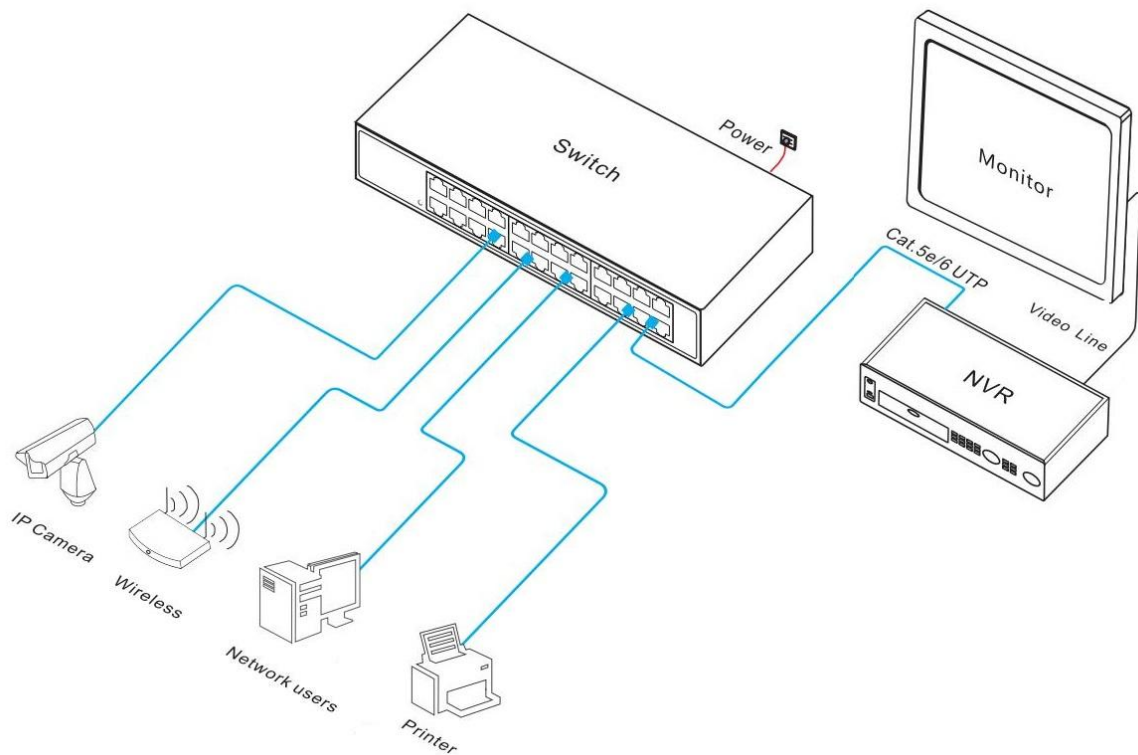
Model	ONV-H3016	ONV-H3024
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T RJ45 ports (Data)	24*10/100/1000Base-T RJ45 ports (Data)
Ethernet Port	Port 1-16/1-24 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)	
Chip Parameter		
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	32Gbps (non-blocking)	48Gbps (non-blocking)
Forwarding Rate @64byte	23.81Mpps	35.71Mpps
MAC	8K	
Buffer Memory	4.1M	

LED Indicator	Power: PWR (Green), Network: Link/ Act (Green)	
Power Supply		
Total PWR / Input Voltage	15W /(AC100-240V)	18W /(AC100-240V)
Power Consumption	Standby<9W, Full Load<15W	Standby<10W, Full Load<16W
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	1.05kg /1.55kg	1.4kg /2.0kg
Installation	Desktop, Wall mount, 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.	

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Configure Power Supply
ONV-H3016	Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports. It built-in power supply and 1U/19" cabinet installation.	20W
ONV-H3024	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports. It built-in power supply and 1U/19" cabinet installation.	

PACKING LIST

	Content	Qty	Unit
Packing List	24-port gigabit Ethernet switch	1	SET
	AC Power Cable	1	PC
	Mounting Kit (Hanging Ear)	1	Pair
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

RELATED PRODUCT

Model	Description
ONV-H1005S	Plastic case unmanaged Ethernet switch with 5*10/100M RJ45 ports. External power supply.
ONV-H1008S	Plastic case unmanaged Ethernet switch with 8*10/100M RJ45 ports. External power supply.
ONV-H3005S	Plastic case unmanaged Ethernet switch with 5*10/100/1000M RJ45 ports. External power supply.
ONV-H3008S	Plastic case unmanaged Ethernet switch with 8*10/100/1000M RJ45 ports. External power supply.
ONV-H1016	Unmanaged Ethernet switch with 16*10/100M RJ45 ports. It built-in power supply and 1U/19" cabinet installation.
ONV-H1024	Unmanaged Ethernet switch with 24*10/100M RJ45 ports. It built-in power supply and 1U/19" cabinet installation.

CONTACT US



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

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: 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

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

