

Product Datasheet

24-port Gigabit Ethernet Switch

(ONV-H3024B)



OVERVIEW

The ONV-H3024B is a Gigabit Ethernet switch independently developed by ONV. It has 24*10/100/1000M adaptive RJ45 ports, and a non-blocking full-duplex transmission rate to achieve convenient network connection and expansion. Each port can support full-line speed forwarding, and 4.1M large-capacity cache ensures timely transmission of large files and stable video streaming, 7*24 hours without disconnection, effectively solving video freezes and picture loss in high-definition monitoring environments. It is suitable for hotels, banks, campuses, factory dormitories, and small and medium-sized enterprises. Plug and play, no configuration and simple and convenient use is the choice to improve network performance.

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

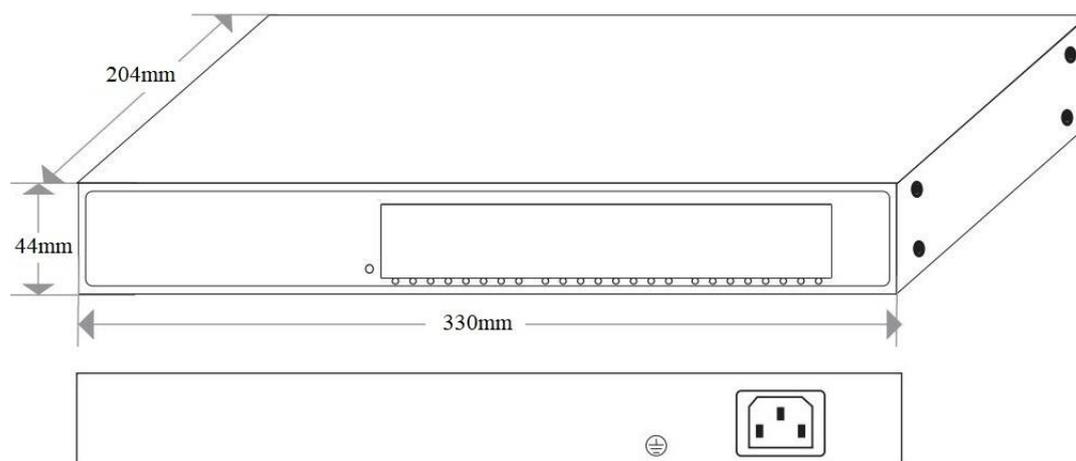
- ◇ CQC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Self-developed power supply, high redundancy, providing a long-term and stable power output.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR and Link.
- ◇ Low power consumption,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

TECHNICAL SPECIFICATION

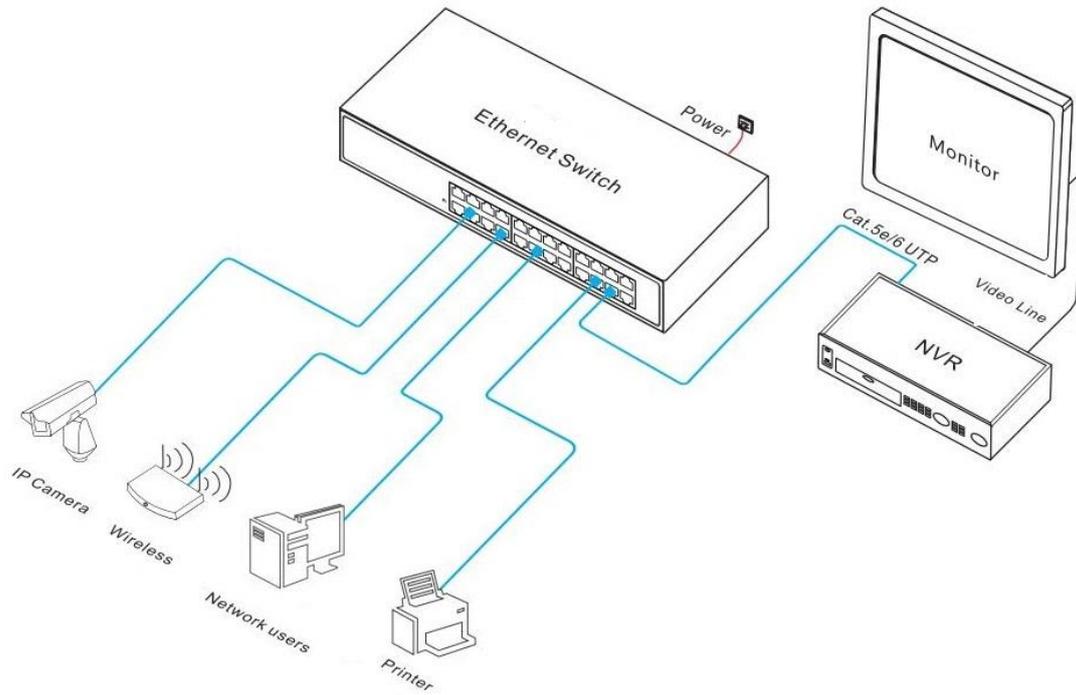
Model	ONV-H3016B	ONV-H3024B
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T RJ45 ports (Data)	24*10/100/1000Base-T RJ45 ports (Data)
Ethernet Port	Port 1-16/1-24 can support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)	
Chip Parameter		
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	56Gbps (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	30W /(AC100-240V)	
Power Consumption	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)	330*204*44mm	
Net /Gross Weight	1.35kg /1.95kg	1.4kg /2.0kg
Installation	Desktop, Wall mount, 1U/19 inch	
Certification& Warranty		
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CQC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS	
Warranty	1 year, lifelong maintenance.	

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H3016B	Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports. It built-in power supply and 1U/19" cabinet installation.	30W
ONV-H3024B	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
	Hanging Ear	1	Pair
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US



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