

Product Datasheet

26-port Gigabit PoE Switch

(ONV-H3024PF)



OVERVIEW

The ONV-H3024PF is a Gigabit PoE switch independently developed by ONV. It has 24*10/100/1000M adaptive RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-24 can support the IEEE802.3 af/at PoE standard, and the single-port PoE power is up to 30W. As a PoE power supply device, it can automatically detect and recognize the power-receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal equipment such as wireless APs, IP cameras, VoIP phones, video access control intercoms, etc., through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economically efficient network. Unmanaged mode, plug and play, easy to use.

FEATURE

■ Gigabit access

- ◇ Support IEEE 802.3x full-duplex flow control and Backpressure.
- ◇ Support non-blocking wire-speed forwarding for smoother transmission.
- ◇ Provide Gigabit RJ45 ports and SFP fiber port uplink for flexible networking, and meet the networking requirements of various scenarios.

■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 24*10/100/1000Base-T RJ45 ports can support PoE power, meeting the PoE power requirements of security monitoring, teleconferencing systems, wireless coverage, and other scenarios.

■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.
- ◇ Self-developed power supply, high redundancy, providing a long-term and stable PoE power output.
- ◇ Low power consumption, with fan, galvanized steel housing, and excellent heat dissipation to ensure stable operation of the switch.

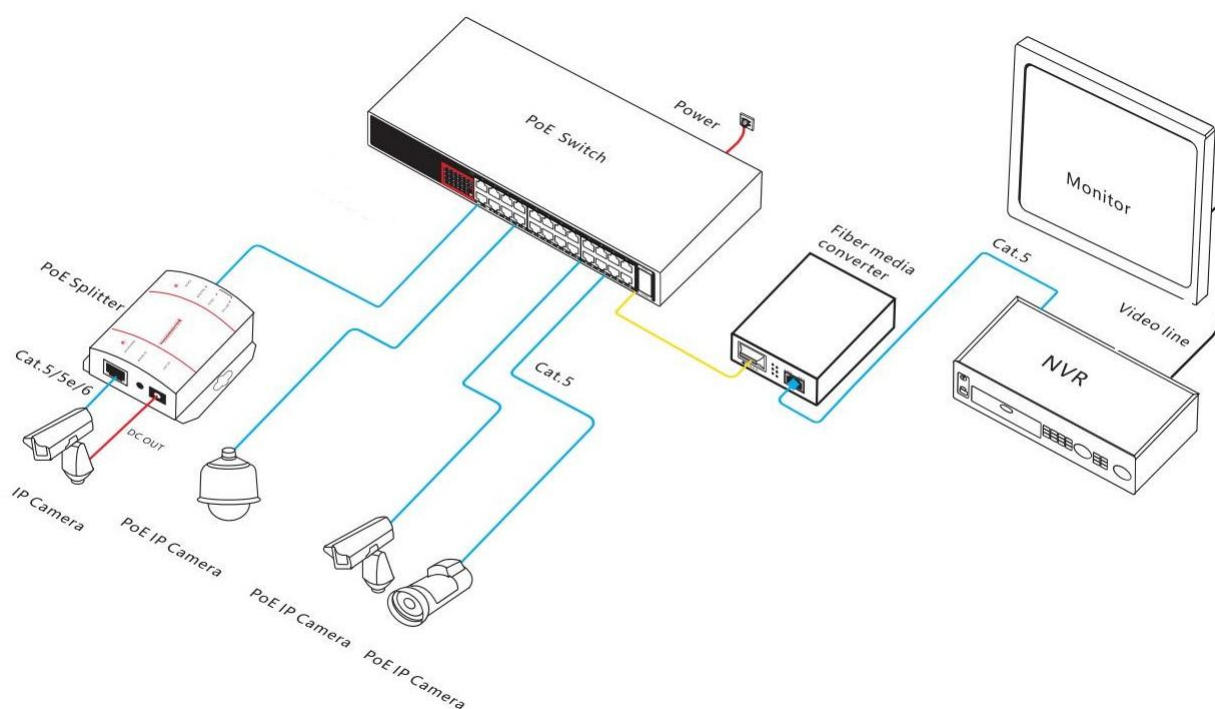
TECHNICAL SPECIFICATION

Model	ONV-H3016PF	ONV-H3024PF
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T PoE ports (Data/ Power)	24*10/100/1000Base-T PoE ports (Data/ Power)
	2*1000Base-X uplink SFP fiber	2*1000Base-X uplink SFP fiber

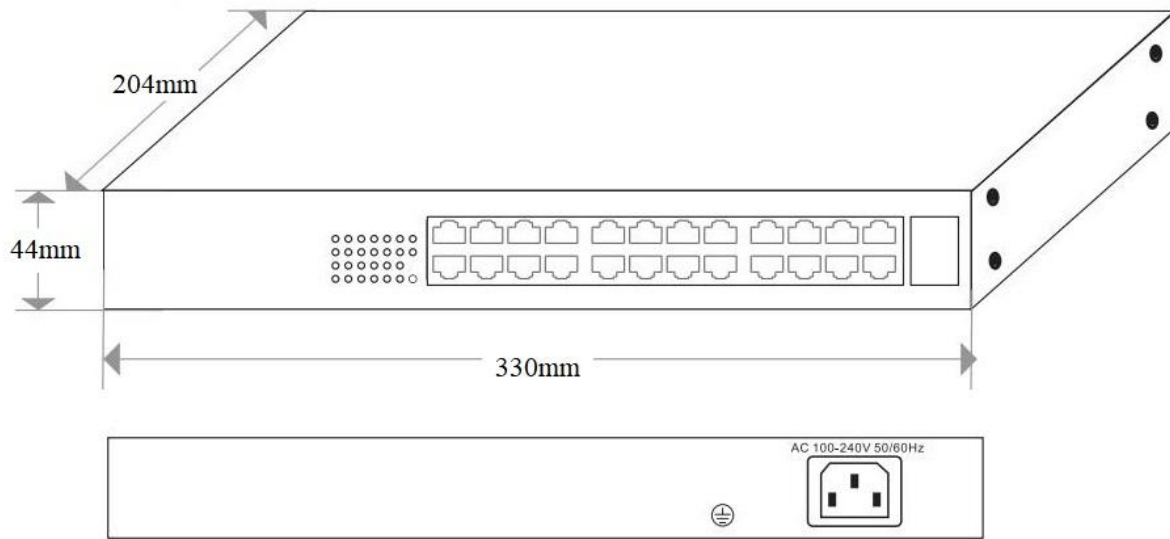
	ports (Data)	ports (Data)
Ethernet Port	Port 1-16/ 1-24 can support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3, 4, 5 UTP (≤100 meters)	
	100BASE-TX: Cat5 or later UTP (≤100 meters)	
	1000BASE-T: Cat5e or later UTP (≤100 meters)	
Optical Fiber Port	Default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)	
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km.	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and forward (Full wire speed)	
Switching Capacity	52Gbps (non-blocking)	
Forwarding Rate@64byte	26.78Mpps	38.69Mpps
MAC	8K	
Buffer Memory	4M	
LED Indicator	Power: PWR (Green), Network: Link (Green), PoE: PoE (Green), Fiber port: G1/G2 (Green)	
PoE &Power Supply		
PoE Port	Port 1-16	Port 1-24
Power Supply Pin	1/2 (+) 3/6 (-)	
Max Power Per Port	30W, IEEE802.3 af/at	
Total PWR/ Input Voltage	250W /(AC100-240V)	
Power Consumption	Standby<15W, full load<240W	Standby<20W, full load<250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 4.1A	
Physical Parameter		
Operation Temp/ Humidity	-20℃~55℃, 5%~90% RH non condensing	

Storage Temp/ Humidity	-40°C~75°C, 5%~95% RH non condensing	
Dimension (L*W*H)	270*181*44.5mm	330*204*44mm
Net /Gross Weight	1.6kg /2.0kg	1.9kg /2.4kg
Installation	Desktop, wall mount, 1U/19” cabinet	
Certification &Warranty		
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS	
Warranty	1 year, lifelong maintenance.	

APPLICATION



DIMENSION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H3016PF	PoE switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-16 can support the IEEE802.3af/at PoE standard. It built-in power supply and 1U/19" cabinet installation.	250W
ONV-H3024PF	PoE switch with 24*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-24 can support the IEEE802.3af/at PoE standard. It built-in power supply and 1U/19" cabinet installation.	250W

Note: The optical module is not included and needs to be purchased.

PACKING LIST

Packing List	Content	Qty	Unit
	26-port Gigabit PoE switch	1	Set
	AC Power Cable	1	PC
	Mounting Kits	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630	SFP optical module, 1.25G multi-mode dual fiber 850nm, transmission distance: 550m, LC interface. support DDM function and hot plugging.	PC
	2632	SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. support DDM function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface. support DDM function and hot plugging.	PC
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface. support DDM function and hot plugging.	PC
	2612-T-SC	SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface. support DDM function and hot plugging.	PC
	2613-R-SC	SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface. support	PC

		DDM function and hot plugging.	
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

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

Teams: 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

