

## Product Datasheet

# 27-port Gigabit Uplink Non-standard PoE Switch

(ONV-H2024PFG-YS)



## OVERVIEW

The ONV-H2024PFG-YS is Gigabit uplink non-standard PoE switch independently developed by ONV. It has 24\*10/100M RJ45 ports and 2\*10/100/1000M uplink RJ45 ports and 1\*1000M uplink SFP fiber port. Port 1-24 can support 24V non-standard PoE+ and single-port PoE power up to 18W. As a non-standard PoE power supply device, it must be connected to the corresponding non-standard electrical equipment (such as wireless bridge, building visual intercom, etc.), or the non-standard PoE splitter to convert, and then achieve the PoE power supply. It can supply power to various adaptable terminals through network cables to meet the demand for a high-density PoE power supply network environment. It is suitable for hotels, campuses, factory dormitories, and small and medium-sized enterprises to establish cost-effective networks. Plug and play, no configuration, easy to use.

## FEATURE

- **10/100M access, uplink Gigabit RJ45/SFP port**
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

- ◇ Provides 10/100M RJ45 port and Gigabit RJ45 and SFP port, which is more convenient for users to flexibly set up to meet the network requirements of various scenarios.

### ■ Smart PoE power supply

- ◇ The PoE port has a short-circuit protection function to prevent accidental contact and short-circuit burns.
- ◇ Quickly implement PoE network cable power supply through the switch to directly connect non-standard electrical equipment or the switch and non-standard PoE splitter cable.
- ◇ 24\*10/100Base-TX RJ45 ports can support 24V PoE power supply meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ (8 ports in a group, each group has 4 ports at the end) The 12 ports have a delayed start function, which can avoid power overload protection caused by overload at the moment of power-on.

### ■ Stable and reliable

- ◇ CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly pane can show the device status through the LED indicator of Power.
- ◇ Low power consumption, galvanized steel casing, and excellent heat dissipation ensure the stable operation of the switch.
- ◇ Long-distance mode (**250m**): When switched to the **250m** position (default off), the port 17-24 rate is 10M, the transmission distance is up to 250 meters

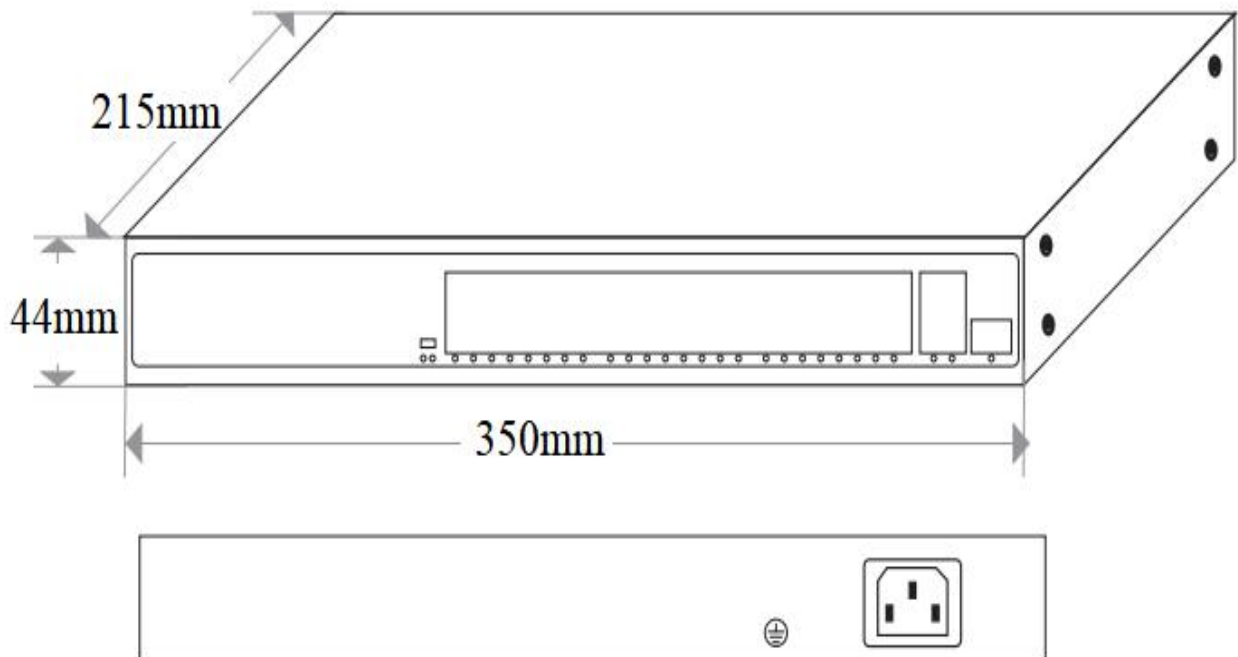
## TECHNICAL SPECIFICATION

Model	ONV-H2016PFG-YS	ONV-H2024PFG-YS
<b>Interface Characteristics</b>		
Fixed Port	24*10/100Base-TX PoE ports (Data/ Power) 1*1000Base-X uplink SFP fiber port (Data) 2*10/100/1000Base-T uplink RJ45 ports (Data)	

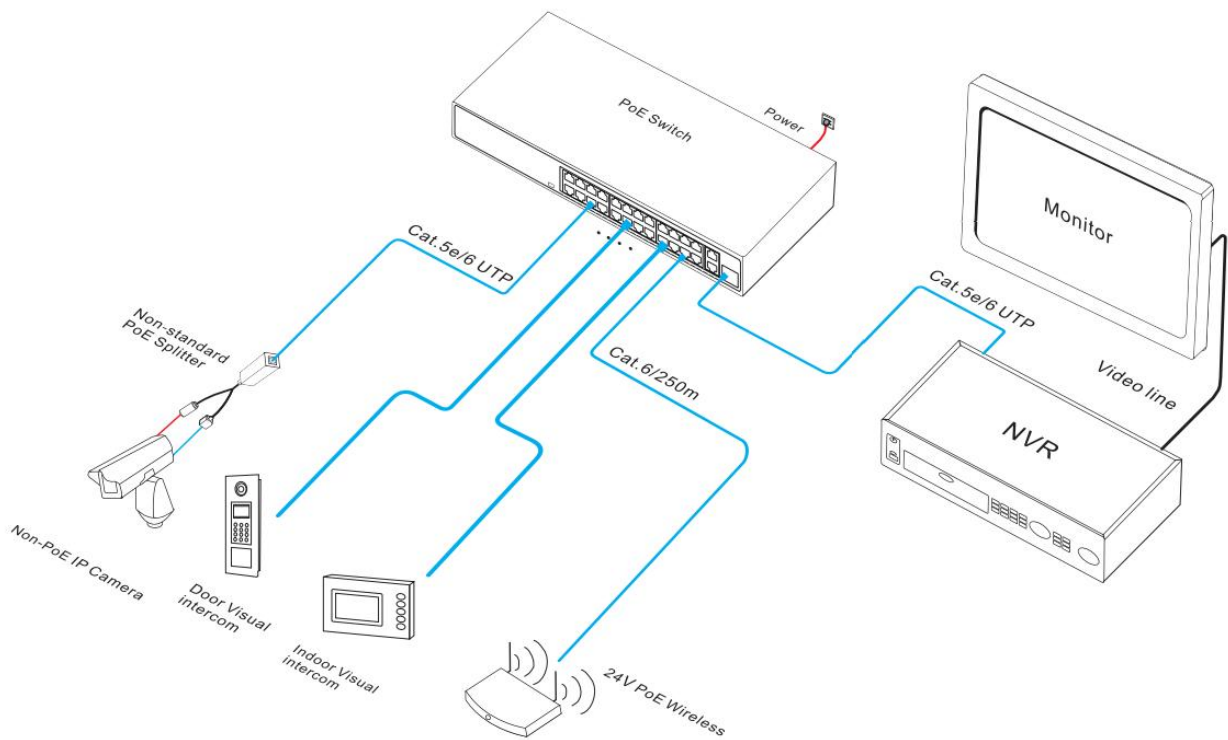
Ethernet Port	Port 1-24 can support 10/100Base-T(X) and port 25-26 can support 100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-TX : Cat5 or later UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T :Cat5e or later UTP (≤100 meters)
Optical Fiber Port	Gigabit 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/ 0-500m, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km
Function Switch (100m/250m)	When switched to the <b>250m</b> position, the port 17-24 rate is 10M, the transmission distance is up to 250 meters.
<b>Chip Parameter</b>	
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	12Gbps (non-blocking)
Forwarding Rate@64byte	8.04Mpps
MAC	2K
Buffer Memory	2.75M
Jumbo Frame	9216B
LED Indicator	Power: PWR (Green), Network: Link (Green), PoE: PoE(Red), Fiber port: L/A (Green), Function switch: 100m/250m (Green)
<b>PoE&amp; Power Supply</b>	
PoE Port	Port 1-24
Power Supply Pin	4/5(+) 7/8(-)
Max Power Per Port	18W, non-standard PoE+
Total PWR/ Input Voltage	250W /(AC100-240V)
Power Consumption	Standby<8W, full load<250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 4.1A

Physical Parameter	
Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH non-condensing
Storage TEMP/ Humidity	-40°C~+80°C, 5%~95% RH non-condensing
Dimension (L*W*H)	350*215*44mm
Net /Gross Weight	1.9kg/ 2.45kg
Installation	Desktop, Rack-mounted
Certification& Warranty	
Lightning Protection	4KV 8/20us, Protection level: IP30
Certification	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-H2024PFG-YS	PoE switch with 24*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports and 1*1000M uplink SFP fiber port. Port 1-24 support 24V non-standard PoE+. Adjust the function switch to 250m position, port 17-24 can support 10M/250 meters transmission. Built-in power supply.	24V/250W

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

## PACKING LIST

	Content	Qty	Unit
Packing List	27-port Gigabit uplink non-standard PoE switch	1	PC
	AC Power Cable	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

## OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optica Module	2630	SFP optical module, 1.25G multi-mode dual fiber 850nm, transmission distance: 0.55km, 2*LC interface. supports DDM function and hot plugging.	PC
	2632	SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, 2*LC interface. supports DDM function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

## CONTACT US



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