

Product Datasheet

18-port Gigabit Uplink PoE Switch

(ONV-POE31016PL)



OVERVIEW

The ONV-POE31016PL is an unmanaged PoE switch independently developed by ONV. It has 16*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support IEEE802.3af/at standard PoE power supply, and single port PoE power reaches 30W. The maximum PoE output power is 250W. 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 AP, webcam, VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprises.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 10/100Mbps access, gigabit uplink

- ◇ All series supports "10/100M RJ45 port and 10/100/1000M RJ45 port" combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

■ Smart PoE power supply function

- ◇ 16*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■ Innovative function

- ◇ Long distance switch: When opening, the speed of 9-16 port is reduced to 10M. With the existing twisted pair cable, the transmission limit of the twisted pair can be broken. The transmission distance can reach 250 meters, on the other hand, It can solve the problem of poor transmission caused by line aging.

■ Stable and reliable

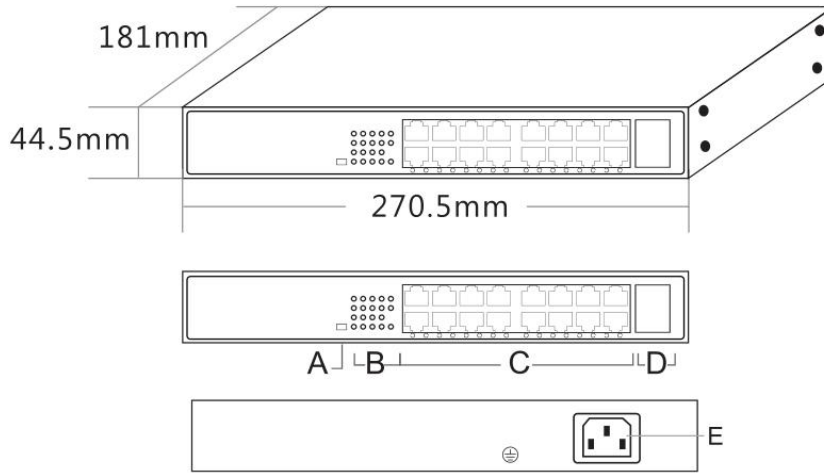
- ◇ CCC, CE, FCC, RoHS.
- ◇ Support desktop and 1U/19 inch cabinet installation.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption, galvanized steel casing, The fan active cooling.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, PoE.

TECHNICAL SPECIFICATION

Model	ONV-POE31016PL	ONV-POE31024PL
Interface Characteristics		
Fixed Port	16*10/100Base-TX PoE ports (Data/Power)	24*10/100Base-TX PoE ports (Data/Power)
	2*10/100/1000Base-T Uplink RJ45 ports (Data)	2*10/100/1000Base-T Uplink RJ45 ports (Data)
Functional Switch	After opening, port 9-16 support 10M/250 meters long distance transmission.	After opening, port 17-24 support 10M/250 meters long distance transmission.
	Note: When the switch status changes, the PoE switch must be restarted for the switch function to take effect.	
Ethernet Port	10/100Base-T(X) ,10/100/1000Base-T automatic detection, full/half Duplex MDI/MDI-X adaptive	
Twisted Pair Transmission	10BASE-T:Cat5 UTP(≤250 meter) 100BASE-TX:Cat5 or later UTP(≤100 meter) 1000BASE-T:Cat5e or later UTP(≤100 meter)	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	14.8Gbps(non-blocking)	
Forwarding Rate@64byte	5.36Mpps	6.55Mpps
MAC	16K	
Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	Power: PWR (green), Network : 1-16(24)/G1-2 (green), POE: PoE	

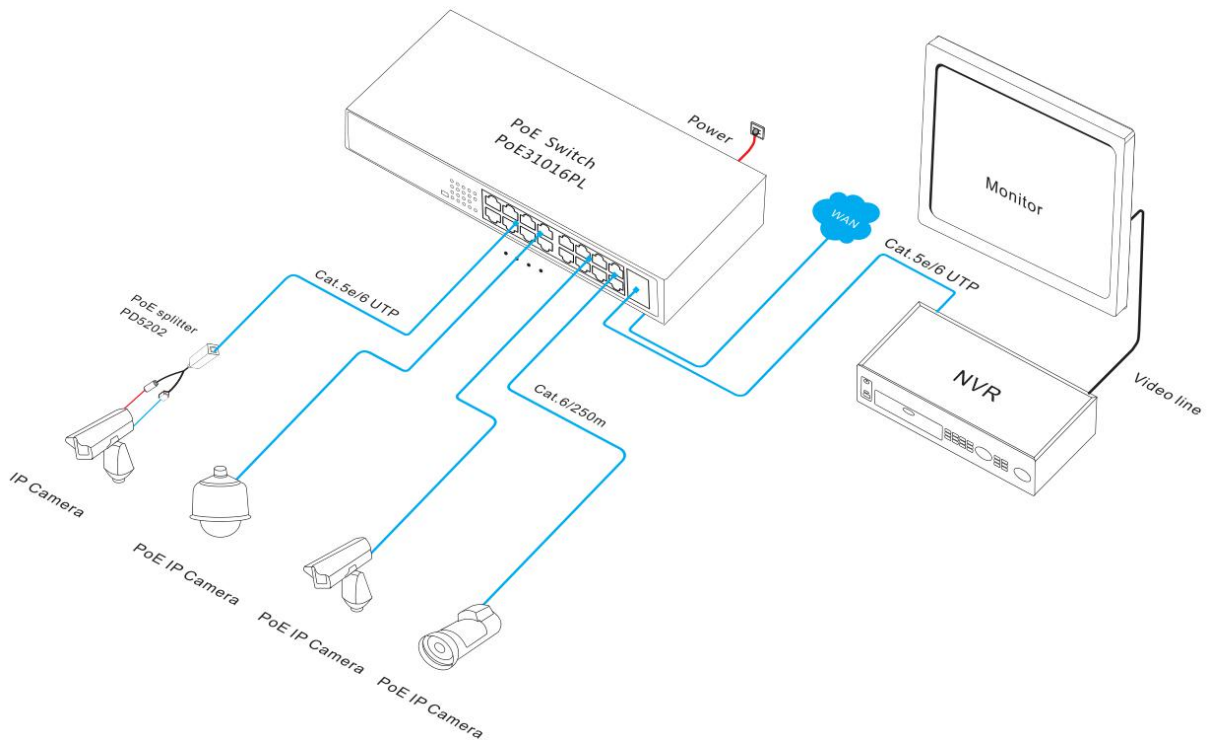
	(green)	
Reset Switch	Yes, One-button factory reset	
PoE & Power Supply		
PoE Port	Port 1 to 16	Port 1 to 24
Power Supply Pin	Default 1/2 (+), 3/6 (-), Optional 4/5(+), 7/8(-)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	250W (100-240V)	
Power Consumption	Standby<15W, Full load<240W	Standby<20W, Full load<250W
Power Supply	Built-in switching power supply, AC 100 ~ 240V 50-60Hz 4.1A, support short circuit, over current, overload protection	
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	<1.7kg / <2.2kg	<2.3kg / <3kg
Installation	Desktop, wall mounted, 19 inch 1U cabinet	
Certification & Warranty		
Lightning protection / protection level	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS	
Warranty	3 years, lifelong maintenance.	

DIMENSION



- A. Long Distance Transmission Switch
- B. Working Indicator
- C. 16*10/100M PoE Ports
- D. 2*10/100/1000M Uplink RJ45 Ports
- E. Power Input Port AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE31016PL	Unmanaged PoE switch with 16*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports, Port 1-16 can support IEEE802.3af/at PoE standard, Port 9-16 can support 10M/250 meters transmission. Built-in 250W power supply, Support 1U/19 inch cabinet installation.
ONV-POE31024PL	Unmanaged PoE switch with 24*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports, Port 1-24 can support IEEE802.3af/at PoE standard, Port 17-24 can support 10M/250 meters transmission. Built-in 250W power supply, Support 1U/19 inch cabinet installation.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	18-port Gigabit uplink PoE switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits(Hanging Ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US



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