

## Product Datasheet

# 10-Port Gigabit Uplink PoE Switch



## OVERVIEW

The ONV-POE31108PFB series is a gigabit uplink unmanaged PoE fiber switch independently developed by ONV. It has 8\*10/100Base-TX RJ45 ports and 2\*10/100/1000Base-T and 2\*1000Base-X SFP fiber slot ports. Port 1-8 can support IEEE 802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 130W (at-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 automatically detect and identify the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment. It is suitable for hotel, campus, park, commercial supermarket, scenic spot, factory quarter and SMB small and medium-sized enterprises to form a cost-effective network.

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

## FEATURE

### ■ 10/100Mbps access, gigabit (TP/SFP) combo port uplink

- ◇ All series supports "10/100M RJ45 port + Gigabit combo 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.

### ■ Intelligent PoE power supply

- ◇ 8\*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE 802.3af/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.

### ■ Stable and reliable

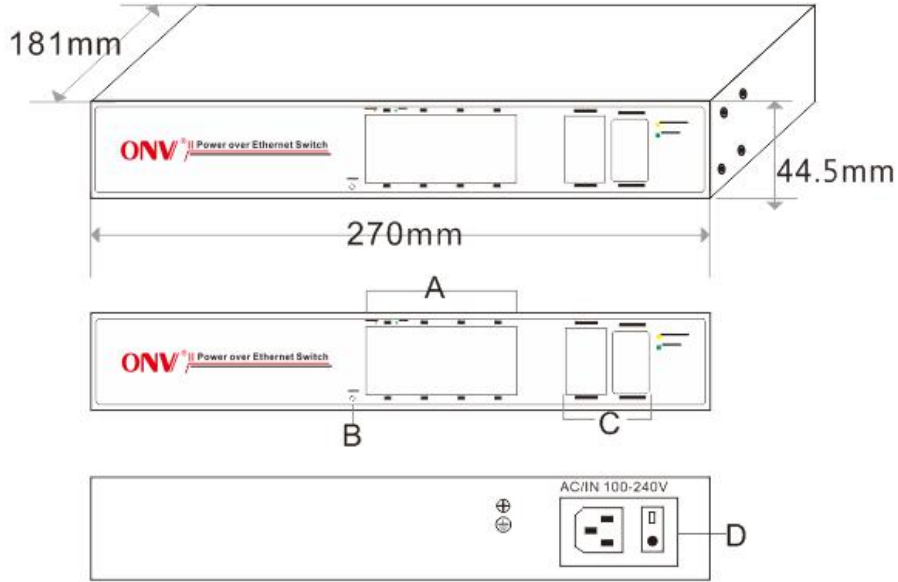
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption, galvanized steel casing, The fan active cooling.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- ◇ The user-friendly panel, it can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

## TECHNICAL SPECIFICATION

Model	ONV-POE31108PFB	ONV-POE31108PFB-at
<b>Interface Characteristics</b>		
Fixed Port	8*10/100Base-TX PoE ports (Data/Power)	
	2*10/100/1000Base-T RJ45 ports (Data)	
	2*1000Base-X uplink SFP fiber slot (combo) ports (Data)	
Ethernet Port	Port 1-8 support 10/100Base-TX, Port 9-10 support 10/100/1000Base-T(X) 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)	
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order 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.	
<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	5.6Gbps (Non-blocking)	
Forwarding Rate@64byte	4.17Mpps	
MAC	16K	
Buffer Memory	4M	

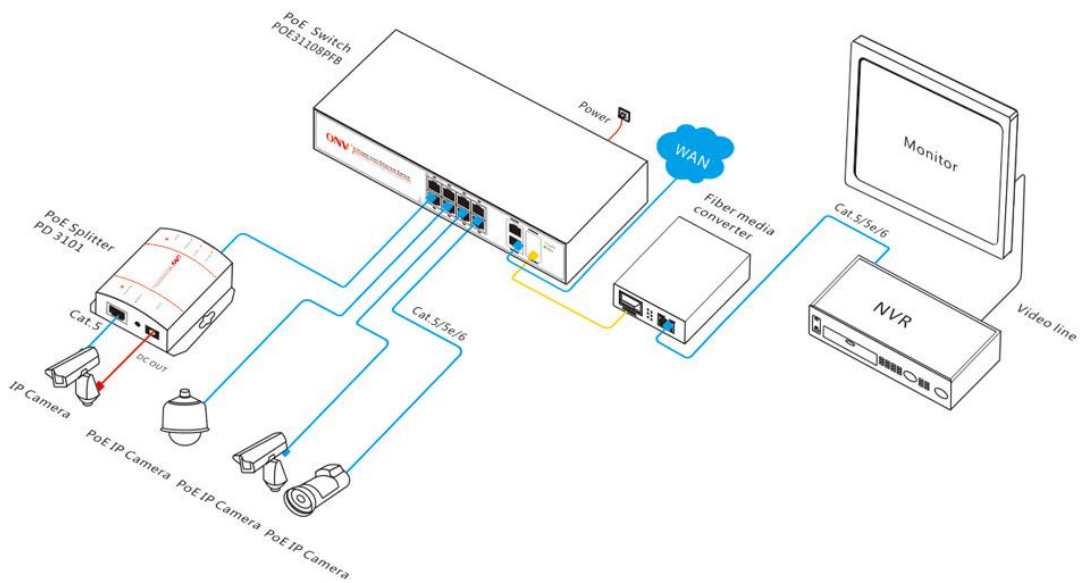
Jumbo Frame	10K	
LED Indicator	Power: PWR (green), network: Link, link/Act (yellow), PoE: PoE (green), rate: Speed (green)	
Reset Switch	Yes, One-button factory reset	
<b>PoE &amp; Power</b>		
PoE Port	Port 1 to 8 IEEE802.3af/at @ POE	
Power Supply Pin	Default 1/2 (+), 3/6 (-), Optional 4/5(+), 7/8(-)	
Max Power Per Port	30W; IEEE802.3af/at	
Total PWR / Input Voltage	130W / (AC100-240V)	250W / (AC100-240V)
Power Consumption	Standby<6W, Full Load<130W	Standby<8W, Full Load<250W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 2.3A	Built-in power supply, AC 100~240V 50-60Hz 4.1A
<b>Physical Parameter</b>		
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	
Net /Gross Weight	<1.3kg / <1.8kg	<1.4kg / <2kg
Installation	Desktop, wall mounted, 19 inch 1U cabinet	
<b>Certification &amp; Warranty</b>		
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. 8\* PoE Port      C. Gigabit (TP/SFP) combo ports  
 B. Working indicator      D. Power input port AC100-240V, 50/60Hz

## APPLICATION



## ORDERING INFORMATION

Model	Description
ONV-POE31108PFB	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M uplink SFP fiber slot ports(combo port) , Port 1-8 can support IEEE 802.3af/at PoE standard, Built-in 130W power supply. Support 1U/19 inch rack installation.
ONV-POE31108PFB-at	Unmanaged PoE fiber switch with 8*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M uplink SFP fiber slot ports(combo port) , Port 1-8 can support IEEE 802.3af/at PoE standard, Built-in 250W power supply. Support 1U/19 inch rack installation.

**Note:** PoE switch does not match SFP module by default.

## PACKING LIST

	CONTENT	QTY	UNIT
<b>PACKING LIST</b>	10-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

## OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
1.25G Optical Module	ONV-2630	SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2612-T-S C	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
	ONV-2613-R-S C	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	ONV-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

## CONTACT US



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