

## Product Datasheet

# 10-port Full Gigabit PoE Fiber Switch

(ONV-POE33108PF)



## OVERVIEW

The ONV-POE33108PF is a full gigabit unmanaged PoE fiber switch independently developed by ONV. It has 8\*10/100/1000M RJ45 ports and 2\*1000M SFP slot ports. Port 1-8 can support IEEE802.3af/at PoE standard. Single-port PoE power reaches 30W, and 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 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

### ■ Full gigabit access, gigabit SFP port uplink

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Supports gigabit Ethernet port and gigabit SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

### ■ Intelligent PoE power supply

- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ 8\*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ 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

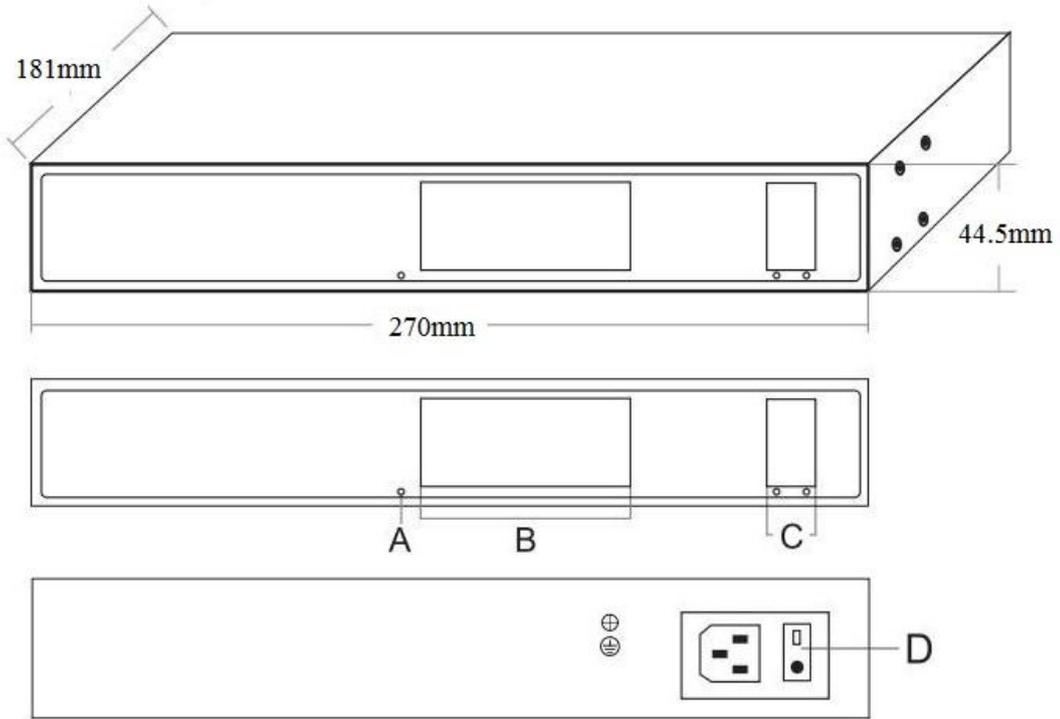
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption, galvanized steel casing. The fan active cooling.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.
- ◇ Self-developed power supply, high redundancy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

## TECHNICAL SPECIFICATION

Model	ONV-POE33108PF	ONV-POE33108PF-at
<b>Interface Characteristics</b>		
Fixed Port	8*10/100/1000Base-T PoE ports (Data /Power) 2*1000Base-X uplink SFP ports (Data)	
Ethernet Port	Port 1-8 can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X	
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 no include optical modules (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.	
<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	20Gbps (Non-blocking)	
Forwarding Rate@64byte	14.88Mpps	
MAC	8K	
Buffer Memory	4M	
Jumbo Frame	9.6K	
LED Indicator	Power: PWR (Green), network Link (Yellow), PoE: PoE(Green), Fiber port :L/A (Green)	

<b>PoE &amp; Power Supply</b>		
PoE Port	Port 1 to 8 IEEE802.3af/at	
Power Supply Pin	Default 1/2 (+) 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	130W (AC100-240V)	250W (AC100-240V)
Power Consumption	Standby: 6W, Full load:120W	Standby: 8W, Full load: 240W
Power Supply	Built-in power adapter, AC100~240V 50-60Hz 2.3A	Built-in power adapter, AC100~240V 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	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Warranty	3 years, lifelong maintenance.	

## DIMENSION



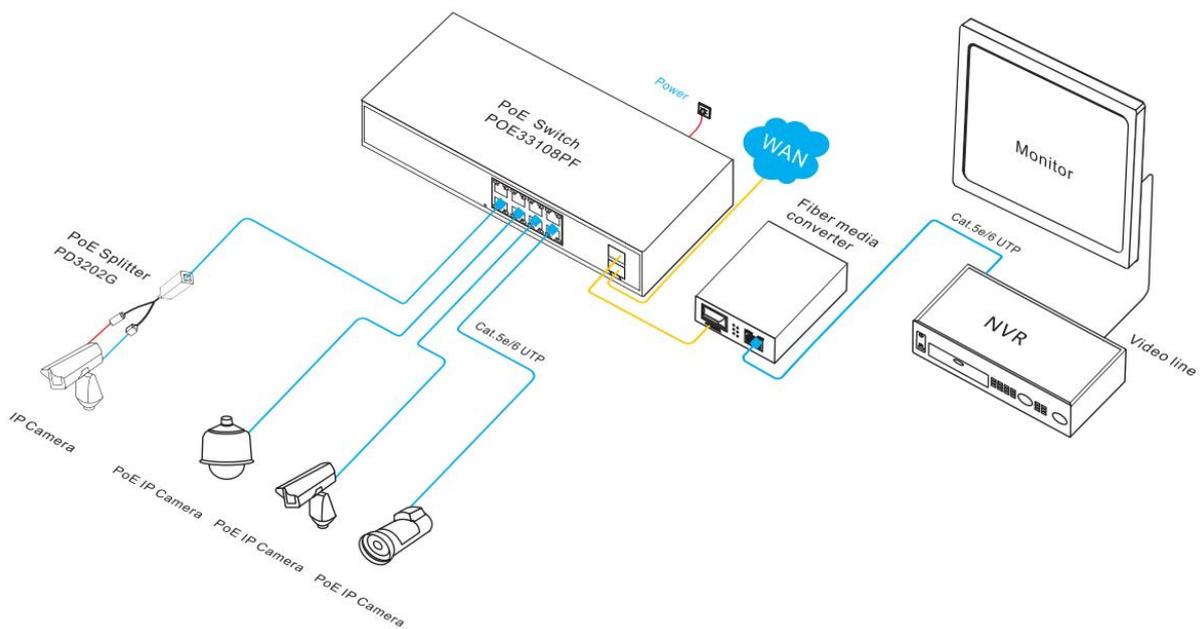
A. Working indicator

B. 8\*10/100/1000M PoE ports

C. 2\*1000M SFP ports

D. Power input port AC100-240V, 50/60Hz

## APPLICATION



## ORDERING INFORMATION

Model	Description	Built-in Power Adapter
ONV-POE33108PF	Unmanaged PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports.	130W
ONV-POE33108PF-at	Port 1-8 can support IEEE802.3af/at PoE standard. Support 1U/19 inch rack installation.	250W

**Note:** The SFP optical module is not included by default and needs to be purchased separately.

## PACKING LIST

PACKING LIST	CONTENT	QTY	UNIT
	10-port full gigabit PoE fiber 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	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
	2632	SFP optical module, 1.25G, single-mode dual fiber	PC

		1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	
	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
	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
	2612-T-SC	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
	2613-R-SC	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	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

## RELATED PRODUCT

Model	Description
ONV-POE33128PF	Unmanaged PoE fiber switch with 10*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports. Port 1-8 can support IEEE802.3af/at PoE standard. Built-in 130W power supply. Support 1U/19 inch rack installation.

ONV-POE33016PF	Unmanaged PoE fiber switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports. Port 1-16 can support IEEE802.3af/at PoE standard. Built-in 250W power supply. Support 1U/19 inch rack installation.
ONV-POE33020PF	Unmanaged PoE fiber switch with 18*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports. Port 1-16 can support IEEE802.3af/at PoE standard. Built-in 250W power supply. Support 1U/19 inch rack installation.
ONV-POE33024PF	Unmanaged PoE fiber switch with 24*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports. Port 1-24 can support IEEE802.3af/at PoE standard. Built-in 400W power supply. Support 1U/19 inch rack installation.
ONV-POE33028PF	Unmanaged PoE fiber switch with 26*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports. Port 1-24 can support IEEE802.3af/at PoE standard. Built-in 400W power supply. Support 1U/19 inch rack installation.

## CONTACT US



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