Product Datasheet

10-Port Full Gigabit PoE Fiber Switch

(ONV-POE33108PF)

OVERVIEW

The ONV-POE33108PF is a full gigabit 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 IEEE 802.3af/at standard PoE power supply. 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**

◇ All series supports "gigabit Ethernet port and gigabit SFP fiber 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*10/100/1000Base-T 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.
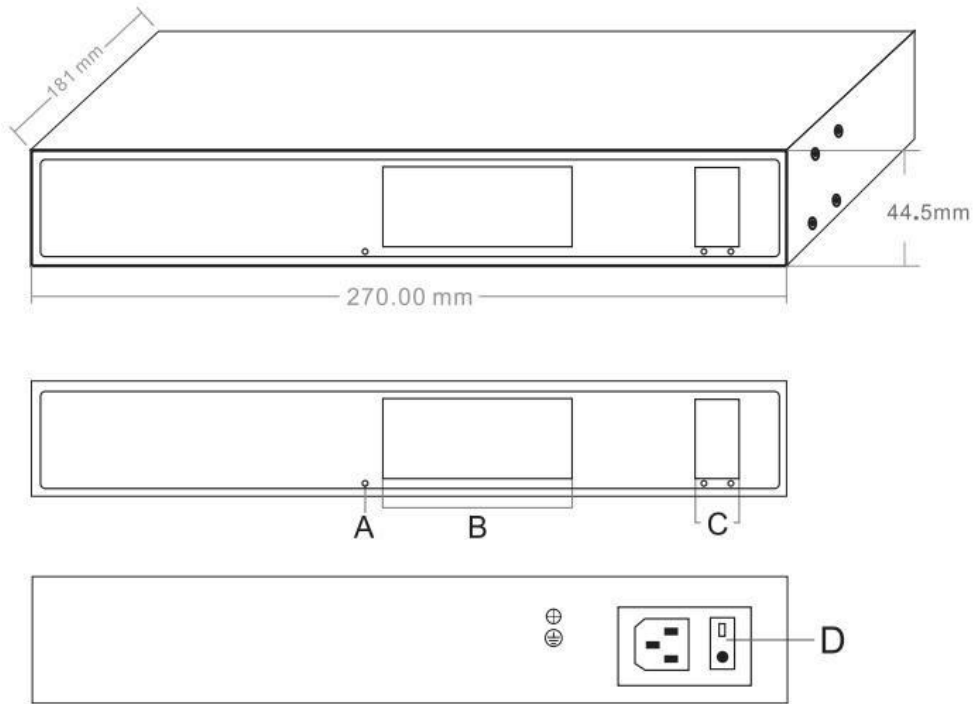
■ **Stable and reliable**

◇ 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.

◇ CCC,CE, FCC, RoHS.

◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.

◇ Plug and play, no configuration, simple and convenient.

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TECHNICAL SPECIFICATION

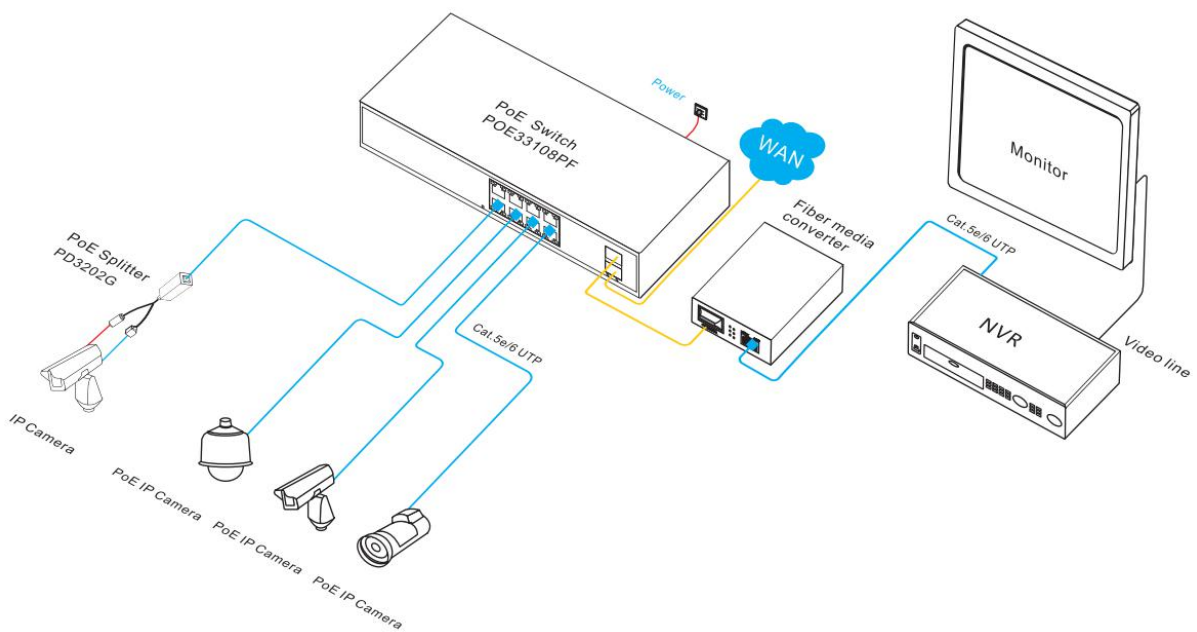| Model	ONV-POE33108PF	ONV-POE33108PF-at
Interface Characteristics		
Fixed Port	8*10/100/1000Base-T PoE ports (Data /Power) 2*1000Base-X uplink SFP ports (Data)	
Ethernet Port	Port 1-8 can support 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 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 matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable	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	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)	
PoE & Power Supply		
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<120W	Standby<8W,Full load<240W
Power Supply	External power adapter, AC100~240V 50-60Hz 2.3A	External power adapter, AC100~240V 50-60Hz 4.1A
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	
Net /Gross Weight	<1.3kg / <1.8kg	<1.4kg / <2kg
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. Working Indicator   B. 8*10/100/1000M PoE Ports
C. 2*1000M SFP Ports   D.Power Input Port AC100-240V,50/60Hz

APPLICATION

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ORDERING INFORMATION

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

	CONTENT	QTY	UNIT
PACKING LIST	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

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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-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
	ONV-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	ONV-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

CONTACT US

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