

## Product Datasheet

# 9-port 2.5G PoE Switch

(ONV-POE57008PFB)



## OVERVIEW

The ONV-POE57008PFB is a 2.5G PoE fiber switch independently developed by ONV. It has 8\*10/100/1000/2500Base-T adaptive RJ45 ports and 1\*1/2.5/10G uplink SFP+ fiber port. Port 1-8 can support the IEEE802.3af/at PoE standard, and the single-port max PoE power is 30W. As a PoE power supply device, it can automatically detect and identify powered devices that meet standards and power them through network cables. It can power PoE terminal equipment such as wireless AP(WiFi6/WiFi7), IP cameras, Internet telephones, video access control intercoms, etc., through network cables to meet the network environment that requires a high-density PoE power supply. It is suitable for hotels, campuses, factories, parks, supermarkets, and small and medium-sized enterprises to establish cost-effective networks.

## FEATURE

### ■ 2.5G access, uplink 1/2.5/10G SFP+ fiber port

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- ◇ Support 2.5G RJ45 port and 1/2.5/10G uplink SFP+ fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

### ■ Smart PoE power supply

- ◇ Comply with IEEE802.3af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 8\*10/100/1000/2500Base-T RJ45 ports support PoE power to meet security monitoring, conference call systems, wireless coverage, and other scenarios.

### ■ Stable and reliable

- ◇ CQC, CE, FCC, RoHS.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, L/A, and PoE.
- ◇ Low power consumption, galvanized steel housing, and excellent heat dissipation to ensure stable operation of the switch.

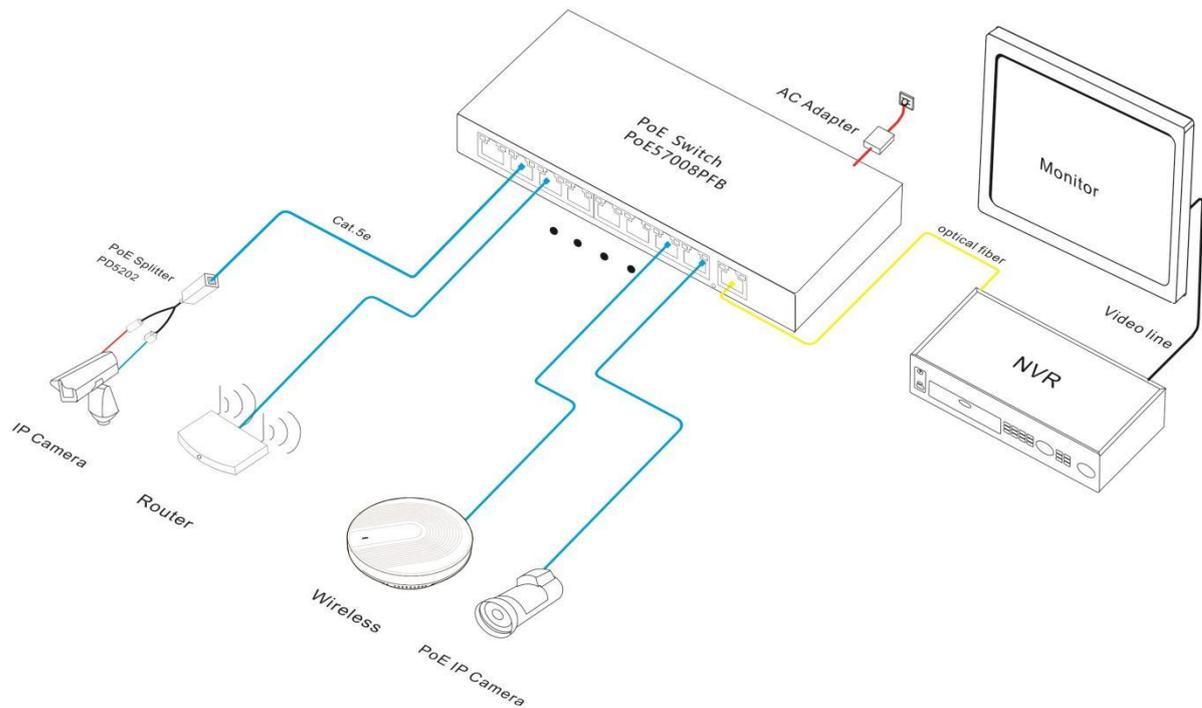
## TECHNICAL SPECIFICATION

Model	ONV-POE57008PFB	ONV-POE57008PFB-at
<b>Interface Characteristics</b>		
Fixed Port	1*1/2.5/10G uplink SFP+ fiber port (Data) 8*10/100/1000/2500Base-T PoE ports (Data/ Power)	
Ethernet Port	Port 1-8 can support 10/100/1000/2500Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)	

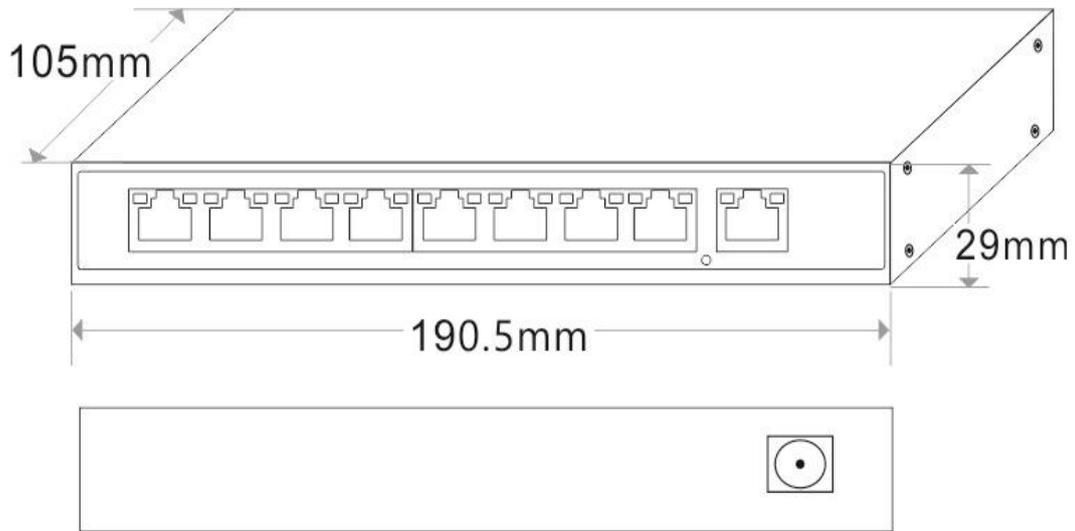
	1000BASE-T: Cat5e or later UTP (≤100 meters)	
	2500BASE-T: Cat6a or later UTP (≤100 meters)	
Optical Fiber Port	Default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)	
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m, Single-mode: 1310nm/ 0-40km, 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, IEEE802.3bz 2.5GBase-T, IEEE802.3ae 10GBase-SR/LR, IEEE802.3x	
Forwarding Mode	Store and forward (Full wire speed)	
Switching Capacity	60Gbps (non-blocking)	
Forwarding Rate@64byte	44.64Mpps	
MAC	4K	
Buffer Memory	8M	
Jumbo Frame	12K	
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 1-8	
Power Supply Pin	1/2(+) 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR/ Input Voltage	100W/DC52V	250W/DC52V
Power Consumption	Standby<5W, full load<100W	Standby<5W, full load<240W
Power Supply	External power supply, AC100-240V 50-60Hz, 2.0A	External power supply, AC100-240V 50-60Hz, 3.5A
<b>Physical Parameter</b>		
Operation Temp/ Humidity	-20°C~+55°C, 5%~90% RH non condensing	
Storage Temp/ Humidity	-40°C~+75°C, 5%~95% RH non condensing	

Dimension (L*W*H)	190.5*105*29mm	
Net /Gross Weight	0.45kg/1.05kg	0.9kg/1.5kg
Installation	Desktop, Wall mount	
<b>Certification&amp; Warranty</b>		
Lightning Protection	Protection level: IP30, Lightning protection: 4KV 8/20us	
Certification	CQC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS	
Warranty	3 years, lifelong maintenance.	

## APPLICATION



## DIMENSION



## ORDERING INFORMATION

Model	Description	External Power Supply
ONV-POE57008PFB	PoE switch with 8*10/100/1000/2500M RJ45 ports and 1*1/2.5/10G uplink SFP+ fiber port. Port 1-8 can support the IEEE802.3af/at PoE standard. External power supply.	100W
ONV-POE57008PFB-at		250W

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

## PACKING LIST

	Content	Qty	Unit
Packing List	9-port 2.5G PoE switch	1	Set
	AC power cord+power adapter	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

## OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630	SFP optical module, 1.25G multi-mode dual fiber 850nm, transmission distance: 550m, LC interface. supports DDM function and hot plugging.	PC
	2632	SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2612-T-SC	SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface. supports DDM function and hot plugging.	PC
	2613-R-SC	SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface. supports DDM function and hot plugging.	PC
10G Optical Module	6630	SFP+ optical module, 10G multi-mode dual fiber 850nm, transmission distance: 300m, LC interface. supports DDM function and hot plugging.	PC
	7832	SFP+ optical module, 10G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	7832-33	SFP+ optical module, 10G single-mode single fiber TX1330nm/RX1270nm, transmission distance: 20km, LC interface. supports	PC

		DDM function and hot plugging.	
	7832-27	SFP+ optical module, 10G single-mode single fiber TX1270nm/ RX1330nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC

## CONTACT US

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