

Product Datasheet

28-port Full Gigabit PoE Fiber Switch

ONV-POE33028PF



OVERVIEW

The ONV-POE33028PF series is a full gigabit unmanaged PoE fiber switch independently developed by ONV. It has 26*10/100/1000M RJ45 ports and 2*1000M SFP slot ports. Port 1-24 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 400W(at-600W). 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, park, attraction, supermarket, factory quarter and small and medium-sized enterprises to form a cost-effective network.

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

FEATURE

■ Full gigabit access, gigabit TP/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

- ◇ 24*10/100/1000Base-T 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

- ◇ 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.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link ,PoE.



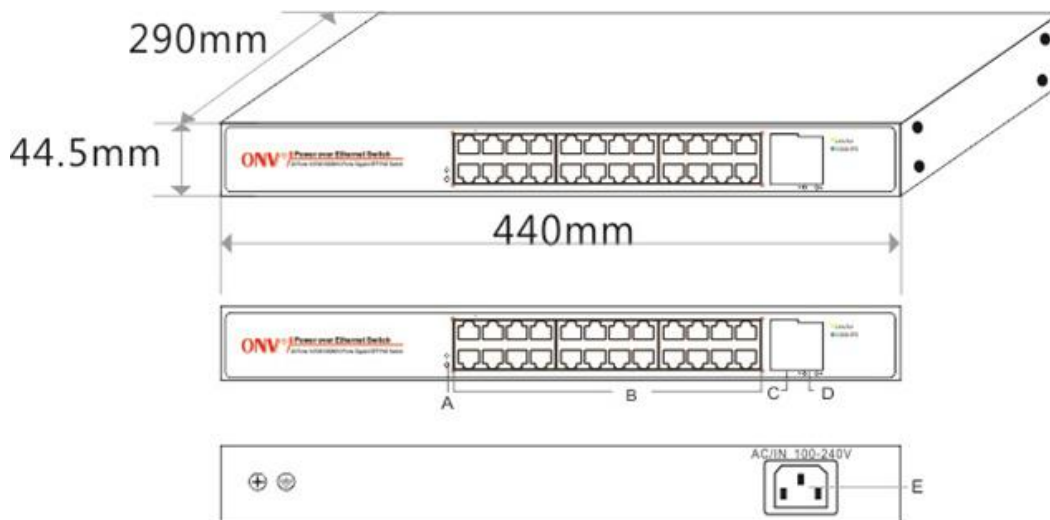
TECHNICAL SPECIFICATION

Model	ONV-POE33028PF	ONV-POE33028PF-at
Interface Characteristics		
Fixed Port	24*10/100/1000Base-T PoE ports (Data /Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP slot ports (Data)	
Ethernet Port	Port 1-24 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	Multi mode: 850nm 0 ~ 500M, 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	56Gbps (Non-blocking)
Forwarding Rate@64byte	41.66Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.6K
LED Indicator	Power : PWR (green), network:Link, Link/Act (yellow), PoE: PoE (green), Fiber port :L/A (green); speed: SPD (green)
Reset Switch	Yes, One-button factory reset
PoE & Power	
PoE Port	Port 1 to 24 IEEE802.3af/at @ POE
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	400W (AC100-240V) 600W (AC100-240V)
Power Consumption	Standby<22W, Full Load<380W Standby<25W, Full Load<600W
Power Supply	Built-in power supply Built-in power supply AC100~240V 50-60Hz 5A AC100~240V 50-60Hz 6.6A
Physical Parameter	
Operation TEMP /	-20~+55°C; 5%~90% RH Non condensing

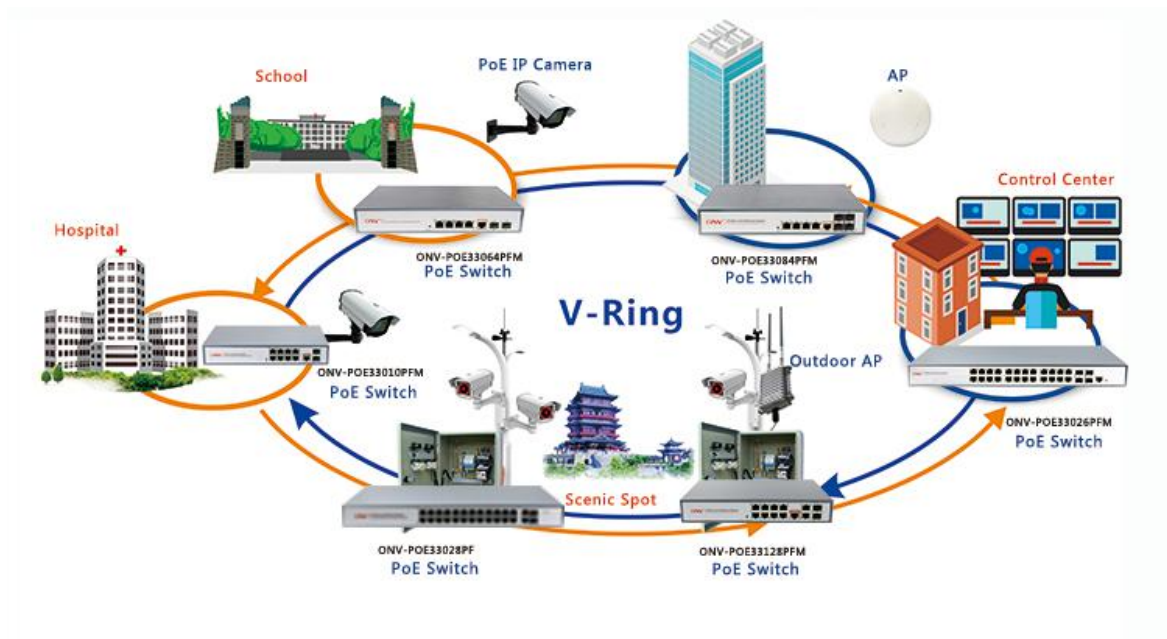
Humidity		
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing	
Dimension (L*W*H)	440*290*44.5mm	
Net /Gross Weight	<3.8kg /<4.3kg	<4.5kg /<5.0kg
Installation	Desktop, 19 inch 1U cabinet	
Certification & Warranty		
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection 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.24* 10/100/1000M PoE ports
 C. 2*10/100/1000M uplink RJ45 ports D.2*1000M uplink SFP ports
 E. Power input port AC100-240V,50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description
ONV-POE3328PF	Unmanaged PoE fiber switch with 26*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-24 can support IEEE 802.3af/at PoE standard, Built-in 400W power supply. Support 1U/19 inch rack installation.
ONV-POE33028PF-at	Unmanaged PoE fiber switch with 26*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-24 can support IEEE 802.3af/at PoE standard, Built-in 600W power supply. Support 1U/19 inch rack installation.

Note: PoE switch does not match the SFP module.

PACKING LIST

PACKING LIST	CONTENT	QTY	UNIT
	28-port full gigabit PoE fiber switch	1	SET
	AC power cable+Power adapter	1	SET
	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	PC

		and pull.	
	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- 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 net port.	PC

CONTACT US



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