OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.

Product Datasheet

28-port Full Gigabit PoE Fiber Switch

ONV-POE33028PF/at

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.

http://www.onvcom.com
+86 0755 33376606

FEATURE

■ **Full gigabit access, gigabit (TP/SFP) combo 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 support PoE power supply, which meets the requirements of PoE power supply in various scenarios in the security field.

◇ IEEE802.3af/at, auto-sensing PoE standard of the terminal device. The maximum PoE output power is 400W(at-600W), and the maximum PoE output power of a single port is 30W.

◇ The PoE port supports the priority mechanism. When the remaining power is insufficient, the power supply of the high-priority port is preferentially guaranteed to prevent the device from being overloaded.
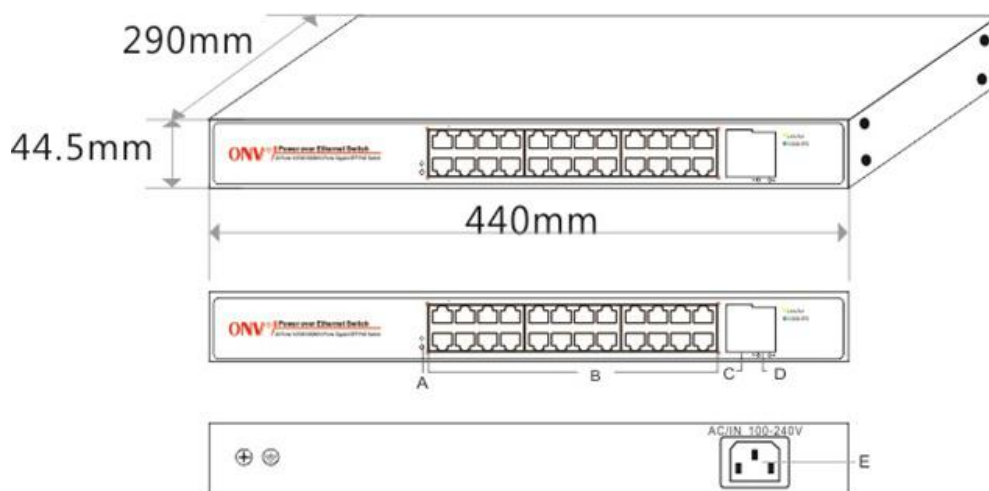
■ **The equipment is stable and reliable**

◇ The host has low power consumption, galvanized steel metal shell,, excellent heat dissipation, and ensure stable operation of products.

◇ ONV self-developed power supply, high redundancy design, provides long-term stable PoE power output.

◇ The equipment fully meets the requirements of CCC, CE, FCC and RoHS safety regulations, and is safe and reliable.

◇ The user can easily understand the working status of the device through the power indicator (PWR), the port status indicator (Link), and POE operation indicator.

TECHNICAL SPECIFICATION

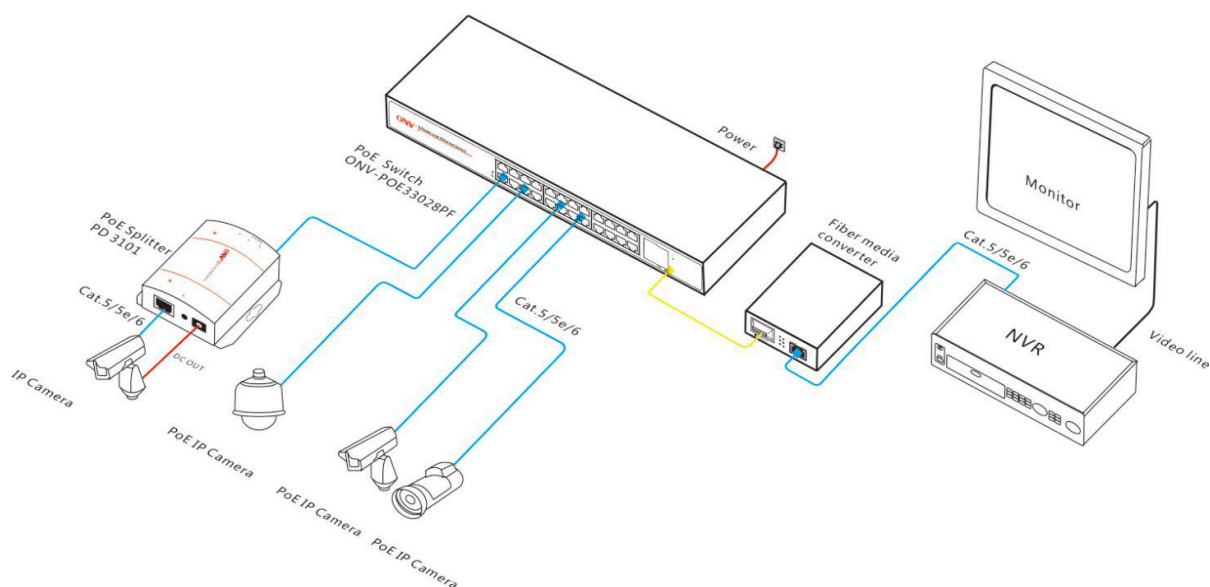| Model	ONV-POE33028PF	ONV-POE33028PF-at
Interface	24*10/100/1000Base-T PoE ports (Data /Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP slot ports (Data)	
POE Port	Port 1-24 can support IEEE 802.3af/at PoE standard	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3x	
PoE Standard	IEEE802.3af/at international standard	
Ethernet Port Feature	Port 1-24 can support 10/100/1000Base-T,auto-sensing, full/half duplex MDI/MDI-X	
Fiber Port Feature	Gigabit SFP optical fiber interface (Fiber module is not included, need to order separately, module options include single/multi mode, single/dual fiber, LC)	
Forwarding Mode	Store and Forward (Full wire speed)	
Switching Capacity	56Gbps (Non-blocking)	
Forwarding Rate@64byte	41.66Mpps	
MAC	8K	
Buffer Memory	4M	
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)	
Optical Fiber Cable	Multi mode: 850nm 0~550M;single mode: 1310nm 0~40KM,1550nm 0-120KM.	
Power Supply Pin	1/2 (+), 3/6 (-)	
Max / Average Power Per Port	30W/15.4W	30W/30W
Total PWR / Input Voltage	400W (AC100-240V)	600W (AC100-240V)
Power Consumption	Standby:<22W; Full Load:<380W	Standby:<25W; Full Load:<600W
LED indicator	Power indicator: PWR (green); network indicator: Link, Link/Act (yellow) ; PoE indicator PoE(green); fiber indicator:L/A (green); speed indicator: SPD(green)	
Power Supply	Built-in power supply AC100~240V 50-60Hz 5A	Built-in power supply AC100~240V 50-60Hz 6.6A
Operation TEMP / Humidity	-20~+55°C; 5%～90% RH Non-condensing	

Storage TEMP / Humidity	-40~+75°C; 5%～95% RH Non-condensing	
Dimension	440*290*44.5mm	
Net /Gross Weight	<3.8kg /<4.3kg	<4.5kg /<5.0kg
Installation	desktop type ,wall mounted,19 inch 1U cabinet installation	
Lightning protection / protection level	Port Lightning Protection 4KV 8/20us; Protection Level: IP30	
Certification	CCC; CE mark, commercial ;CE/LVD EN60950;FCC Part 15 Class B; RoHS	
Warranty	2 years, lifetime 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

http://www.onvcom.com
+86 0755 33376606

APPLICATION

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	28-port full gigabit PoE fiber switch (ONV-POE33028PF/at)	1	SET
	AC power cable+Power adapter	1	SET
	Mounting Kits(Hanging Ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

Note: PoE switch does not match SFP module by default. If you need to purchase it, please refer to the accessory product information.

http://www.onvcom.com
+86 0755 33376606

ORDERING INFORMATION

Model	Description
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 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.

SELECTION OF INFORMATION

Fiber Module Selection Table

Product	Model	Description	Unit
1.25G Fiber 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
Electric Module	ONV-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 net port.	PC

http://www.onvcom.com
+86 0755 33376606

CONTACT US

OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Website: www.onvcom.com

Zip: 518000

Headquarter Address: Room 1003, Block D, Terra Building, Futian district, Shenzhen,China

Factory Address: The 4-6th Floor, No. 59, HuaNing Road, Xinwei Community, Dalang Street, Longhua District, Shenzhen, China

http://www.onvcom.com

+86 0755 33376606