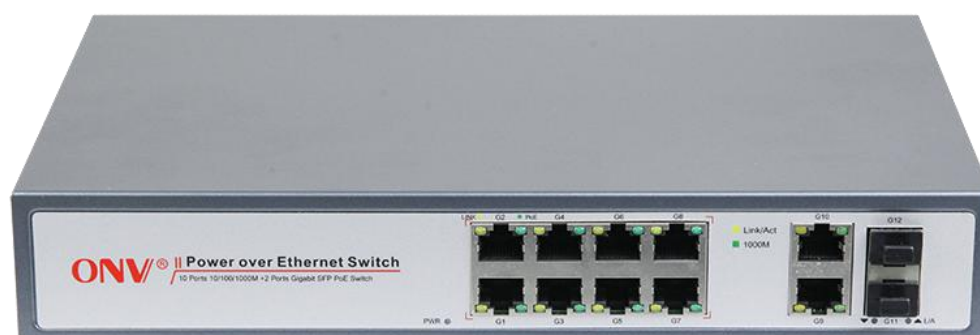**OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.**

Product Datasheet

12-port Full Gigabit Fiber POE Switch

ONV-POE33128PF/at

OVERVIEW

The ONV-POE33128PF/at series is a full Gigabit unmanaged fiber PoE switch independently developed by ONV. It has 10*10/100/1000M adaptive RJ45 ports and 2*100/1000M SFP port slots, Port 1-8 can support IEEE 802.3af/at PoE standard,single port PoE power up to 30W, Total 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 automatically detect and identify the the electrical equipment that meets the standard and supply power to it through the network cable, devices including wireless AP, IP camera, IP telephone and other PoE terminal equipment etc. In addition, it is suitable for networking system of hotel, campus, dormitory and small&medium enterprise etc.

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

FEATURE

■ **Full Gigabit access, gigabit TP/SFP (combo) port uplink**

◇ All series supports "gigabit RJ45 port and Gigabit SFP 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 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 terminal device. The maximum PoE output power is 130W(at-250W), 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, no fan mute design, aluminum alloy metal shell, excellent heat dissipation, and ensure stable operation of products.

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

◇ ONV self-developed power supply, high redundancy design, provides long-term stable PoE power output.
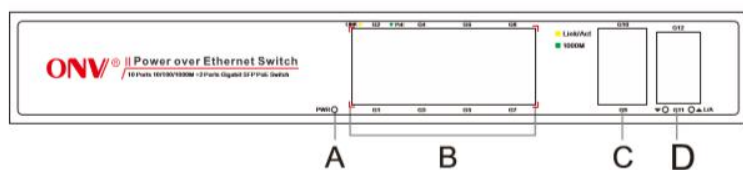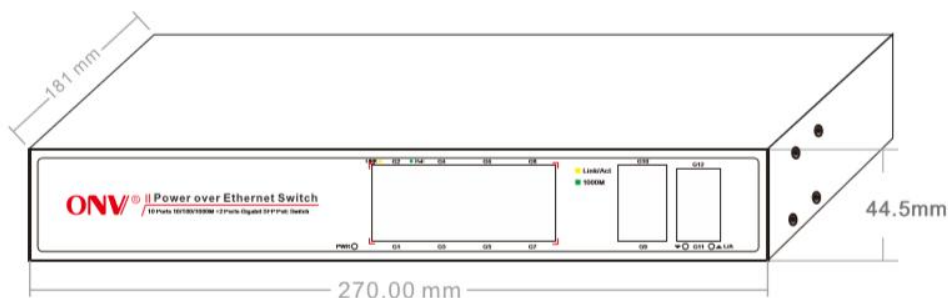
■ **Easy to operate**

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

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

TECHNICAL SPECIFICATION

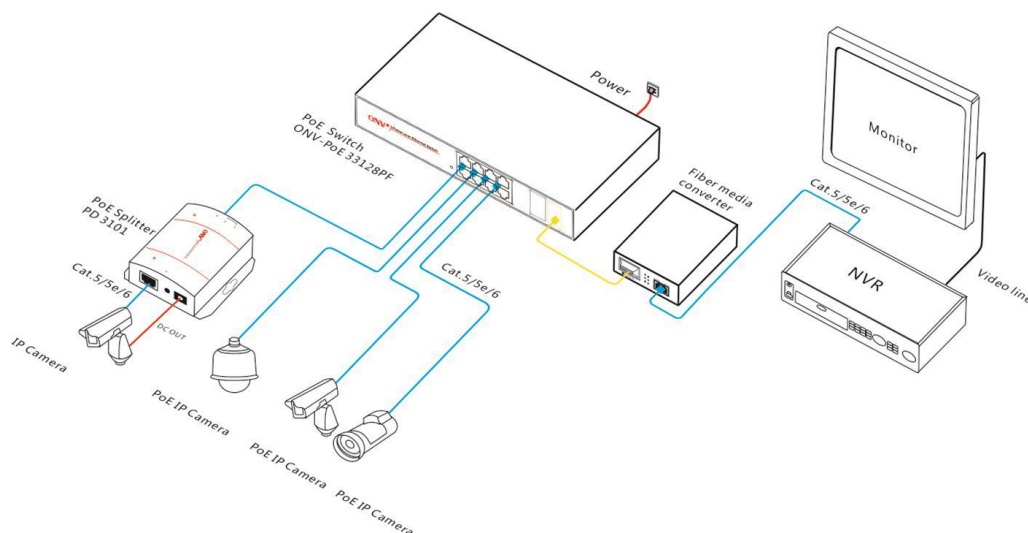| Model	ONV-POE33128PF	ONV-POE33128PF-at
Interface	8*10/100/1000Base-T PoE ports (Data /Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*100/1000Base-X uplink SFP ports (Data)	
POE Port	Port 1-8 can support IEEE 802.3af/at PoE standard	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3x	
PoE Standard	IEEE802.3af/at international standard	
Ethernet Port Feature	10/100/1000BaseTx auto-sensing,full/half duplex MDI/MDI-X self-adaption	
Fiber Port Feature	Gigabit SFP fiber interface, no optical module by default, need to be purchased separately (optional order single-mode / multimode, single fiber / dual fiber module, LC)	
Forwarding Mode	Store and Forward (Full wire speed)	
Switching Capacity	24Gbps (Non-blocking)	
Forwarding Rate@64byte	17.86Mpps	
MAC	4K	
Buffer Memory	4M	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat6 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	130W (AC100-240V)	250W (AC100-240V)
Power Consumption	Standby:<8W; Full Load:<120W	Standby:<10W; Full Load:<240W
LED indicator	Power indicator: PWR(green); Network indicator: Link, Link/Act (yellow); PoE indicator PoE(green); Uplik RJ45 port speed indicator :1000M(green) ; SFP indicator: L/A (green)	
Power Supply	Built-in power supply , AC100~240V 50-60Hz 2.3A	Built-in power supply , AC100~240V 50-60Hz 4.1A

Operation TEMP / Humidity	-20~+55°C; 5%～90% RH Non-condensing	
Storage TEMP / Humidity	-40~+75°C; 5%～95% RH Non-condensing	
Dimension	270*181*44.5mm	
Net /Gross Weight	<1.5kg /<2.0kg	<1.6kg /<2.2kg
Port lightning protection / protection level	Port lightning protection : 4KV 8/20us; Protection level: IP30	
Certification	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;	
Warranty	1 year , lifelong maintenance.	

DIMENSION

A.Working indicator B.8* PoE Port
C.2*Gigabit Uplink ports D.2*Gigabit SFP Port
E.AC100-240V,50/60Hz

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APPLICATION

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	12-port full gigabit fiber PoE switch (ONV-POE33128PF/at)	1	SET
	Power Cable+Power Adapter	1	SET
	Mounting Kits (Hanging Ear)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

ORDERING INFORMATION

Model	Description
ONV-POE33 128PF	Unmanaged PoE switch with 10*10/100MRJ45 ports and 2*1000M uplink SFP ports, Port 1-8 can support IEEE802.3af/at PoE standard . Built-in 130W power supply. Support 1U/19-inch cabinet installation.
ONV-POE33 128PF-at	Unmanaged PoE switch with 10*10/100MRJ45 ports and 2*1000M uplink SFP ports, Port 1-8 can support IEEE802.3af/at PoE standard . Built-in 250W power supply. Support 1U/19-inch cabinet 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

CONTACT US

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