Product Datasheet

18-port Gigabit Uplink PoE Fiber Switch

ONV-POE31016PFA

OVERVIEW

The ONV-POE31016PFA is an unmanaged PoE fiber switch independently developed by ONV. It has 16*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M uplink TP/SFP combo ports. Port 1-16 can support IEEE802.3af/at standard PoE power supply, and single port PoE power reaches 30W. The maximum PoE output power is 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

■ **10/100Mbps access, gigabit (TP/SFP) combo port uplink**

◇ All series supports "10/100M RJ45 port and gigabit TP/SFP combo 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.

■ **Smart PoE power supply function**

◇ 16*10/100Base-TX 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.
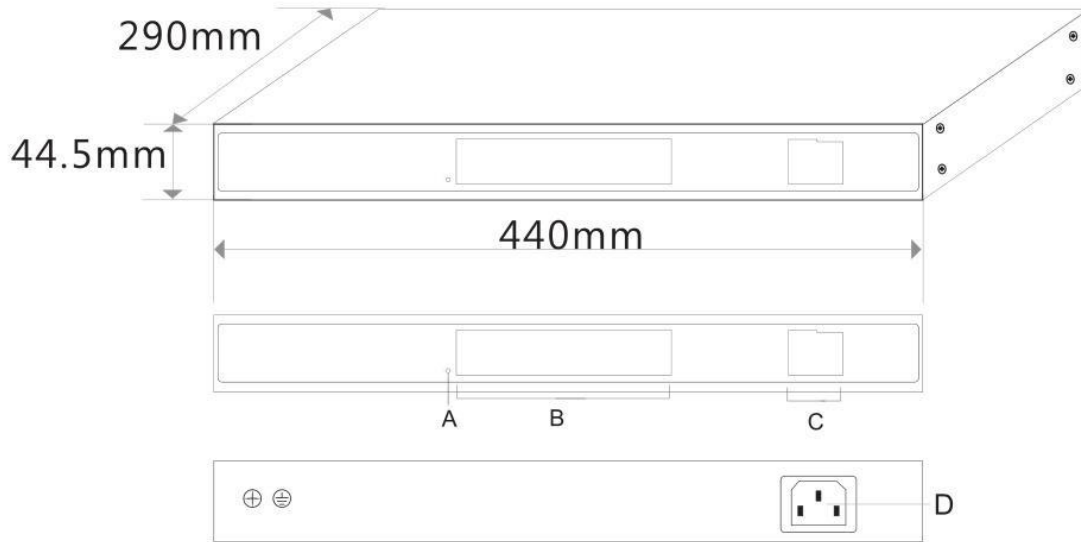
■ **Stable and reliable**

◇ Low power consumption, galvanized steel casing.

◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

◇ CCC,CE, FCC, RoHS.

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

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

◇ Support desktop and 1U/19 inch cabinet installation.

TECHNICAL SPECIFICATION

Model	ONV-POE31016PFA	ONV-POE31016PFA-at
Interface Characteristics		
Fixed Port	16*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000M uplink RJ45 ports (Data) 2*1000M uplink SFP slot ports (combo port)	
Ethernet Port	10/100Base-T(X) ,10/100/1000Base-T automatic detection, full/half Duplex MDI/MDI-X adaptive	
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/ Distance	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	14.8Gbps (Non-blocking)	
Forwarding Rate@64byte	5.36Mpps	
MAC	16K	
Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	Power:PWR (green), Network: Link, Link/Act (yellow), POE:	

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	PoE(green), Speed:1000M (green)	
PoE & Power Supply		
PoE Port	Port 1 to 16 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	250W(AC100-240V)	400W(AC100-240V)
Power Consumption	Standby<15W,Full load<250W	Standby<20W, Full load<400W
Power Supply	Built in power supply. AC100~240V 50-60Hz 4.1A	Built in power supply. AC100~240V 50-60Hz 5.0A
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)	440*290*44.5mm	
Net /Gross Weight	<2.8kg/<3.4kg	<3.0kg /<3.6kg
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

290mm

44.5mm

440mm

A   B   C

⊕ ⊖   D
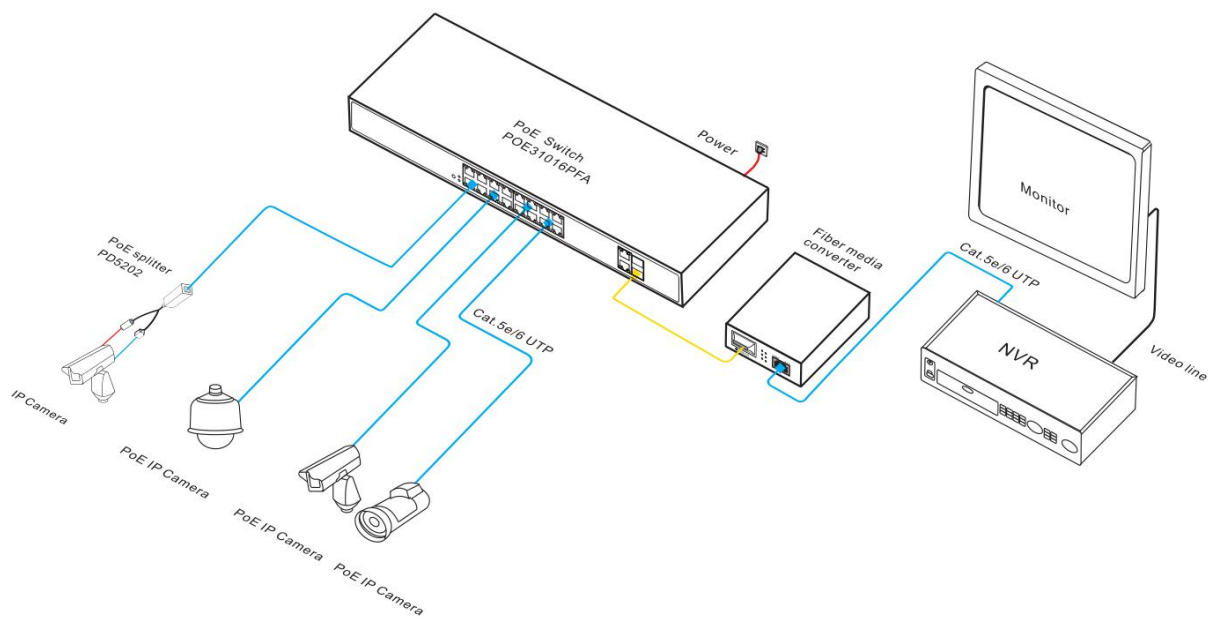
A.Working Indicator
B. 16*10/100M PoE Ports
C.2*10/100/1000M Combo Ports
D.Power Input Port AC100-240V,50/60Hz

APPLICATION

PoE Switch
POE31016PFA
Power

Monitor

Fiber media
converter

Cat.5e/6 UTP

PoE splitter
PD5202

Cat.5e/6 UTP

NVR

Video line

IP Camera

PoE IP Camera

PoE IP Camera   PoE IP Camera

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ORDERING INFORMATION

Model	Description
ONV-POE31016PFA	Unmanaged PoE fiber switch with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M TP/SFP(combo port) ports, Port 1-16 can support IEEE802.3 af/at. Built-in 250W power supply. Support 1U/19 inch cabinet installation.
ONV-POE31016PFA-at	Unmanaged PoE fiber switch with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M TP/SFP(combo port) ports, Port 1-16 can support IEEE802.3 af/at.Built-in 400W power supply. Support 1U/19 inch cabinet installation.
Note: The SFP optical module is not included by default and needs to be purchased separately.	

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	18-port gigabit uplink PoE fiber switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits (Hanging Ears)	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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