USER GUIDE

PoE & Optical Transmission

1-8-port Gigabit Industrial PoE Switch

ONV

Statement

Packing List

Please kindly check the following items:

- 1 x Industrial PoE switch
- Power Kits (Need to order it separately)
- Mounting Kits
- 1x User Guide/ Certificates/Warranty Card

⚠ Note

If any shortage or damage found, please contact us in time.

Product Overview

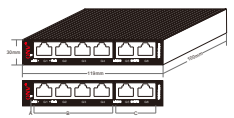
The series is a full gigabit industrial PoE switch independently developed by ONV. It has 1/10*10/100/1000M RJ45 ports, Port 1-1/8 can support IEEE 802.3af/at standard POE power supply, single port POE power up to 30W, and the maximum POE output power is 120W (at-240W). As a POE power supply device, it can automatically detect and identify the electrical equipment that meets the standard and supply power through the cable. It can supply the POE terminal equipment, such as wireless AP, network camera, network telephone, industrial sensor and so on, to meet the demand for high-density PoE power supply network environment. It is suitable for intelligent transportation, rail transportation, electric power industry, mining, metallurgy and green energy construction and so on.

Feature

- All series supports "Ethernet port + 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 .
- Support POE network management function, through the network management configuration, POE port power
- allocation, priority setting, port power status view, time scheduling, etc.
- The user can easily understand the working status of the device through the power indicator (PWR), port status
- The host has low power consumption, no fan and silent design, aluminum alloy metal casing, IP40 protection, excellent heat dissipation, ensuring stable operation of the product.
- Support dual power supply redundant access, support anti-reverse protection, 48~57V ultra-wide voltage input, high reliability, 6KV port lightning protection.
- -40℃—80℃ wide operating temperature, adapt to a variety of harsh environments, support DIN rail mounting .
- big cache. Military-grade chip, comprehensive third-party inspection mechanism verification,5-year warranty, stable and reliable quality.

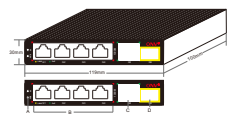
Technical Structure and Port Description

4-port Gigabit Industrial PoE Switch



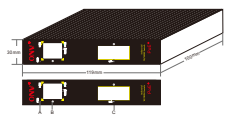
A.Power indicator B.4* PoE ports
C.2*Gigabit Uplink RJ45 ports

4-port Gigabit Industrial PoE Switch



A.Power indicator B.4* PoE ports
C.1*Gigabit Uplink RJ45 port
D.1*Gigabit SFP port

1-port Gigabit Industrial PoE Switch



A.Power indicator
B.1* PoE ports
C.1*Gigabit SFP ports

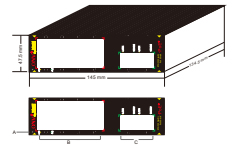
2-port Gigabit Industrial PoE Switch

A. Power indicator B. 2* PoE ports
C. 2*Gigabit SFP ports

4-port Gigabit Industrial PoE Switch

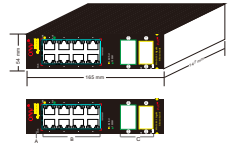
A.Power indicator B.8* PoE ports
C.2*Gigabit SFP ports

8-port Gigabit Industrial PoE Switch



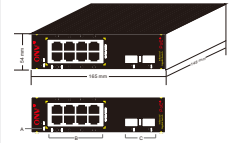
A.Power indicator B.8* PoE ports
C.2*Gigabit Uplink RJ45 ports

8-port Gigabit Industrial PoE Switch



A.Power indicator B.8* PoE ports
C.TP/SFP Combo port

8-port Gigabit Industrial PoE Switch



A.Power indicator B.8* PoE ports
C.2*Gigabit Uplink RJ45 ports

Panel Description

Indicator	Status	Description
Power Indicator: PWR	Green LED ON	Normal
	Green LED OFF	Power OFF
PoE Indicator: PoE	Green LED ON	Connected PD device, PoE working properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or PoE power OFF
Link Indicator: Link	Yellow LED ON	Link is OK
	Yellow LED Blink	Link is OK and data is being sent and received.
	Yellow LED OFF	Link failure and No data transmission
SFP Uplink Indicator	Green LED ON	Link is OK
	Green LED Blink	Link is OK and data is being sent and received.
	Green LED OFF	Link failure and No data transmission

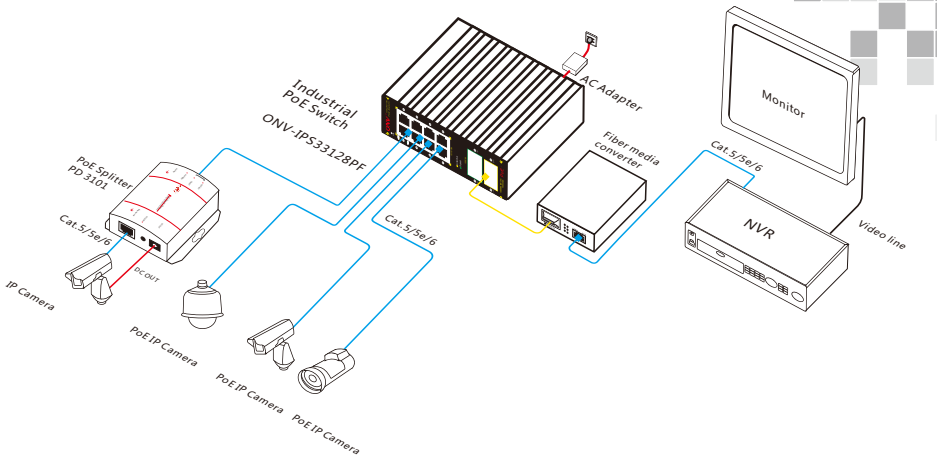
⚠ **Note :** Please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.

Power Industrial Terminals: 48 (46 ~57V)VDC, More than 50VDC is recommended when used PoE+ output, please use AC100~240V, 50/60Hz power supply;

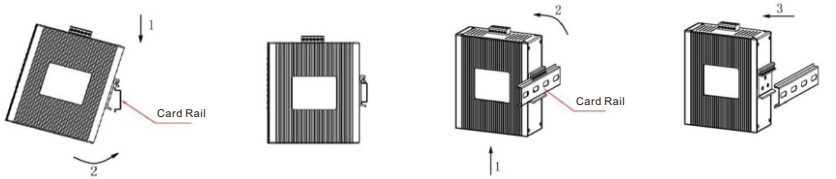
PoE Port: The PoE ports support PoE function, which can transmit data and power simultaneously if connected matching device. The LED lights on the front panel can show working status of each port.

Ethernet Port: Besides PoE ports, other ports are normal self-sensing Ethernet RJ45 ports which support Auto MDI/MDIX, plug and play. The LED lights on the front panel can show working status of each port.

Application Connection Diagram



Installation Guide



⚠ **Note**

1.Please do not put heavy products on the POE switch, and please ensure good ventilation environment for the POE switch.
2.Please cut off the power first before plugging the power adapter.

Power

Connect the power cable, plug it into power socket, turn on the power, then the switch will automatically initialize, and LED lights status will display as following:
1 Except the POE port lights, all the other lights will go through the process of "on-off-on-off", which means the system restoration is successful.
2 Power LED remains lit.

Models Description

ONV-IPS33021PF(at): Unmanaged industrial PoE fiber switch with 1*10/100/1000M PoE port and 1*1000M uplink SFP slot port, The PoE port can support IEEE802.3af/at POE standard, total power less than 18W(at-36W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33032PF(at): Unmanaged industrial PoE fiber switch with 2*10/100/1000M PoE ports and 1*1000M uplink SFP slot port, Port 1-2 can support IEEE802.3af/at POE standard, total power less than 36W(at-60W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33042PF(at): Unmanaged industrial PoE fiber switch with 2*10/100/1000M PoE ports and 2*1000M uplink SFP slot ports , Port 1-2 can support IEEE802.3af/at POE standard, total power less than 36W(at-60W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33064P(at): Unmanaged industrial PoE switch with 6*10/100/1000M RJ45 ports , Port 1-4 can support IEEE802.3af/at POE standard, total power less than 60W(at-120W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33054PF(at): Unmanaged industrial PoE fiber switch with 4*10/100/1000M PoE ports and 1*1000M uplink SFP slot port, Port 1-4 can support IEEE802.3af/at POE standard, total power less than 60W(at-120W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33064PF(at): Unmanaged industrial PoE fiber switch with 4*10/100/1000M PoE ports and 2*1000M uplink SFP slot ports, Port 1-4 can support IEEE802.3af/at POE standard, total power less than 60W(at-120W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33064PFG(at): Unmanaged industrial PoE fiber switch with 5*10/100/1000M RJ45 ports and 1*1000M uplink SFP slot port, Port 1-4 can support IEEE802.3af/at POE standard, total power less than 60W(at-120W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33108P(at): Unmanaged industrial PoE switch with 10*10/100/1000M RJ45 ports , Port 1-8 can support IEEE802.3af/at POE standard, total power less than 120W(at-240W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33108PF(at): Unmanaged industrial PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP slot ports , Port 1-8 can support IEEE802.3af/at POE standard, total power less than 120W(at-240W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

ONV-IPS33128PF(at): Unmanaged industrial PoE fiber switch with 10*10/100/1000M RJ45ports and 2*1000M uplink SFP slot ports , Port 1-8 can support IEEE 802.3af/at POE standard, total power less than 120W(at-240W). Support DC dual power supply input (Phoenix terminal). Support DIN rail mounting.

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