

10G Looped Network PoE Switch
ONV-IPS36168PFM



Product Description

Overview

The IPS36168PFM, industrial managed poe switch, features with 12*10/100/1000M Base-TX RJ45 Ports + 4*10G SFP+ Ports. Port 1-8 support PoE and is compatible with IEEE802.3af/at. Max PoE power of each port ups to 30W. As the Ethernet power supply equipment(PSE), it can automatically detect and supply power to powered equipment (PD) that is compatible with IEEE802.3af/at. Except for L2+ web management function, it also supports setting and dispatching to power of PoE port. Through the NMS platform, it can achieve the rapid implementation of nodes online view and topology management. Users can make it easier to deploy wireless access points (AP) and ip-based terminal network devices through PoE technology and implementing online deployment and control at the same time.

Note: The product 'Switch' mentioned in the manual, if without a special request, it refers to ONV-IPS36168PFM PoE switch, (PoE) switch in short in below.

Features

- Support L2+ switching function, including 802.1Q VLAN, Mirroring, Port Isolation, IGMP Snooping, DHCP Snooping, LLDP, PoE+ Management, IP Protection, ARP and Access Control List etc.
- L2+ features provide better manageability, security, QoS, and performance
- ➤ Support spanning tree STP(802.1D) and RSTP(802.1W)
- Jumbo frames support up to 9.6K kilobytes.
- > Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- > Support cable diagnosis
- Support both IEEE802.3af/at, PoE configuration function for each port.
- ► G.8032, support <50ms industrial quick ring protection
- MAC address size ups to 32 K.
- Backplane bandwidth ups to 180G.

Statement

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Packing List

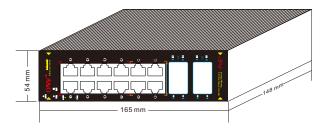
Please kindly check the following items:

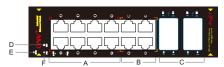
- > 1x Industrial PoE switch
- > 1x User Guide/Warranty Card

⚠ Note

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

Structure and Port Description





- A. 10/100/1000M PoE RJ45 Port
- B. 10/100/1000M RJ45 Port
- C. 10G SFP Fiber Port
- D. Reset Button
- E. System LED Indicator
- F. PWR LED Indicator

Indicator & Panel Description

Indicator	Status	Description
Power Indicator: PWR	Yellow LED ON	Normal
	Yellow LED OFF	Power OFF
System Indicator: RUN	Yellow LED Blink	System working properly
	Yellow LED ON/OFF	System working NOT properly
PoE Indicator: PoE	Green LED ON	Connected PD device, working properly
	Green LED Blink	Short circuit or current overload
	Green LED OFF	No connected PD or power OFF
Link/ACT Indicator	Yellow LED ON	10/100/1000M corresponding port has data transmission
	Yellow LED Blink	10/100/1000M port connected & data send/receive properly
	Yellow LED OFF	No connection
SFP Indicator	Green LED ON	Corresponding port has data transmission
	Green LED Blink	Connect correctly & data send/receive properly
	Green LED OFF	No connection

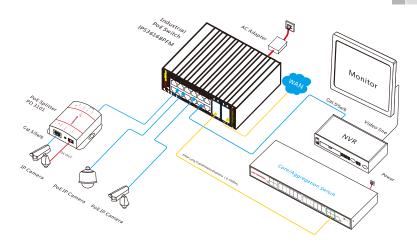
Note: Please confirm that the all PoE ports of PD devices are complying with IEEE802.3af/at standard.

Power Industrial Terminals: Power interface. Please connect single group or dual groups DC power supply based on the voltage requirement. The power depends on the sum of the total power of the connected device.

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

Please install to the supported devices.

Installation

Please confirm the following things before installation:

- 1. If the POE port meets the power requirement of the connecting devices.
- 2. If the POE standard requirement and power supply matches with the power receiving device (1/2+,3/6-(End -span)/4/5+,7/8-(Mid-span))
- 3. If the output power of the matched power adapter is compatible with the specification in the label of the POE switch Please install the POE switch according to the following steps:
- 1. Put the PoE switch on the surface of a large and stable table, or professional industrial installation rank mount.
- 2. Connect power to the PoE switch.

⚠ Note

 Please do not put heavy products on the POE switch, and please ensure good ventilation environment for the POE switch.

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.

⚠ Note

If initialization is inconsistent with the above, please check the power.

Models Description and Others

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