

USER GUIDE

PoE & Optical Transmission 
10/100M 16&24 Ports PoE Switch

ONV

Statement

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The information and product specifications within this document are subject to change at any time, without notice and without obligation to notify any person of such change.

Packing List

Please kindly check the following items:

- 1 Intelligent PoE switch
- 2 Mounting Kits
- 1 User Guide/Conformity Certificate/Warranty Card

⚠ Note

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

Product overview

Product Introduction

Intelligent Ethernet Switch is designed for growing business network who needs to control their network effectively and don't want to cost more on full layer 2/3 complicated function. The Ethernet switch which is also built in PoE module provides an affordable solution of power and data over Cat.5 cable. It complied to IEEE802.3af, used for Wireless AP, VoIP and IP based camera. Two Gigabit TP ports can complete the fast connection with server or Gigabit backbone.

24x10/100Mbps RJ45 port, 2 10/100/1000Mbps TP ports make growing business profits from outstanding performance and network extended function. The high performance, line-speed structure Ethernet Switch have Max 8.8Gbps switch capacity. All the 26/18 RJ45 Ports support auto-negotiation and Auto-Uplink technology for ensuring the correct network connection.

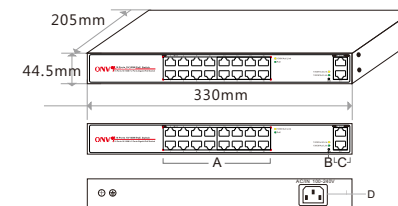
⚠ Note

The product 'Switch' mentioned in the manual, if without a special request, it is referring to 10/100M PoE switch.

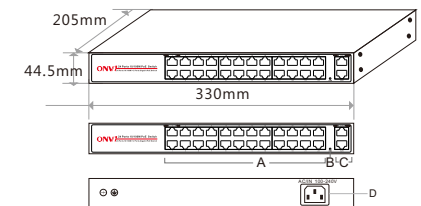
Feature

- Complied to IEEE802.3af/at, 10Based-T, 100Based-T, 1000Based-T.
- Ethernet Port Rate: 16/24 self-adaptive 10/100Mbps and 2 self-adaptive 10/100/1000Mbps.
- Support IEEE802.3af PoE (15.4Watts) or IEEE802.3at(30Watts)
- PIN assignment: End-span(1/2+, 3/6-), Mid-span (4/5+, 7/8-)
- Working mode: asynchronization, point to point, full/half duplex self-negotiation.
- Ethernet Port Transmission Range: 100meters
- Cable: UTP 5E, Interface: RJ45
- 19' standard cabinet, industrial high reliability.

Technical Structure and Port Description



A. 16 Port PoE B. Working LED indicator
C. 2 Gigabit Up link Ethernet Port D. AC100-240V, 50/60Hz



A. 24 Port PoE B. Working LED indicator
C. 2 Gigabit Up link Ethernet Port D. AC100-240V, 50/60Hz

Indicator description:

Indicator	Status	Description
Power Indicator: PWR	Green LED ON	Power ON, Normal Power Supply
	OFF	Power OFF or Power failure
Link/ACT indicator	Yellow LED ON	Connected port correctly
	Yellow LED Blink	Receiving or Sending data
	OFF	Connection failed or Abnormal Link
1000M SPD indicator	Green LED ON	Working condition 1000M
	Green LED OFF	Working condition 10/100M
PoE indicator:POE	Green LED ON	Connected standard PD, Normal Power Supply
	Green LED Blink	Short Circuit or Over Load
	OFF	No Connection or Connected PD is Non-Standard PD

⚠ Note

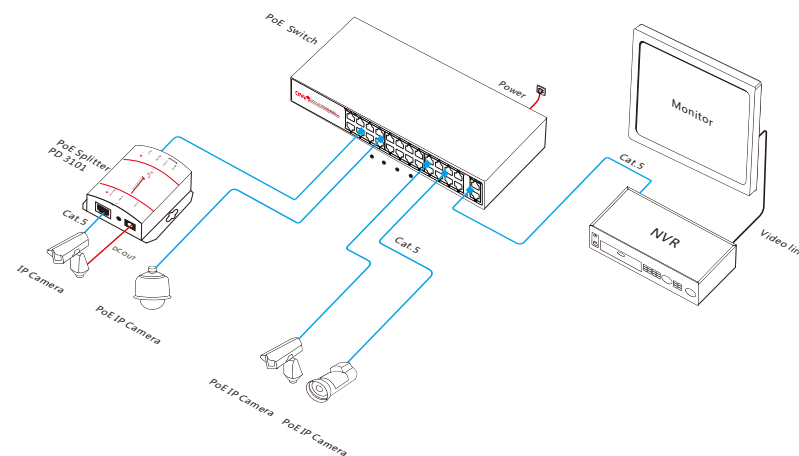
Remark: Internal Precision Component, for avoiding device damage please handles with case, avoiding violent vibration. Please contact us or local agency if damage or component loss by shipping. We will solve it ASAP.

Indicator: Support power source, network connection, Fiber port/RJ45 port working status indication, It is convenient for engineer to parsing problem and monitoring working status.

Power port: Power port connect with PSU, internal power supply intelligent network management PoE switch are without PSU, connecting with AC100-245V,50/60Hz directly.

Ethernet port: Self-Adaption RJ45 port, all port support Auto MDIMDIX, Plug and play. The working status can be estimated by indicator on front panel.

Connection Diagram



Installation guide

Connect to RJ45 port

- 1.Connect one end of RJ45 wire to switch, the other end to other equipment, as shown as the figure on the right;
- 2.After power on, please check the LED indicator status. If it is on, it shows the link is OK, otherwise, the link is down. Then please check the link and make sure the other equipment is turned on, refer to the instruction on above page for details.



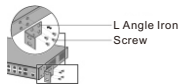
Connect to power

Smart managed PoE switch adopts AC 100-240V, 50/60Hz.

- 1.Please check the power supply specification matches with the required;
- 2.Connect switch power wire to AC power socket, shown as in the following figure.



Power Supply Connection Figure



Mounting Kits Installation Figure



Rack Installation Figure

After installation, please check:

If there is enough space for heat sink; if the power socket is suitable for switch specification; if the power, switch and rack are properly grounded and if the connection between switch and other network equipments are normal.

Detailed descriptions for the product model numbers

POE31016P: 16-port 10/100Mbps +2-port 10/100/1000Mbps up-link Ethernet port switch , No. 1-16 ports support POE , IEEE802.3af/at, POE port output : 15.4watts , total power : 200watts

POE31024P: 24-port 10/100Mbps +2-port 10/100/1000Mbps up-link Ethernet port switch , No. 1-24 ports support POE , IEEE802.3af/at, POE port output : 15.4watts , total power : 250watts

Tel:+86-755-33376606 Fax:+86-755-33376608 Email: onv@onv.com.cn

Address: Room 1003, Block D, Tairan building, Chegongmiao, Futian district, Shenzhen, China

Factory address: No 4-5, A building, SenYuTai S&T park, Longhua road, BaoAn district, Shenzhen, China www.onvcom.com