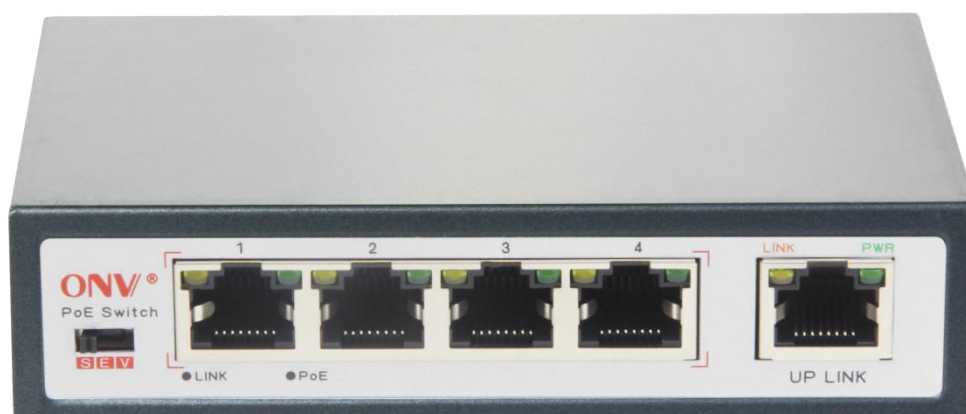![ONV logo]

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

Product Datasheet

5-Port 10/100Mbps PoE Switch

(ONV-POE31004PL)

OVERVIEW

The ONV-POE31004PL series is a 10/100M unmanaged PoE switch independently developed by ONV. It has 4*10/100M PoE ports and 1*10/100M uplink RJ45 port . Port 1-4 can support IEEE 802.3af/at standard PoE power supply, and single port PoE power reaches 30W. The maximum PoE output power is 65W . 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 fast Ethernet access

◇ 5*10/100Base-TX RJ45 ports ,which is more convenient for users to flexibly set up to meet the network requirements 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

◇ 5*10/100M Base-TX RJ45 ports support PoE power supply, which meets the requirements of PoE power supply in various scenarios in the security field.

◇ Comply with IEEE 802.3af /at PoE power supply standard, automatically identify PoE devices for power supply without damaging non-PoE devices. The maximum PoE output power is 65W, and the maximum PoE output power of a single port is 30W.

■ Easy to operate

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

◇ User can easily understand the working status of the device through the power indicator (PWR), port status indicator (Link), and PoE operation indicator.

■ Innovative function

◇ Long distance file: switch to "E", port 1-4 speed is reduced to 10M, using existing twisted pair cable, you can break the limit of transmission of twisted pair 100 meters, the transmission distance can reach 250 meters; On the other hand, it is possible to solve the problem of poor transmission due to lineaging.

◇ Video monitoring mode: The switch is set to "V", and port 1-4 are isolated from each other but are interoperable with the port 5 to prevent DHCP conflicts, optimize port cache utilization, and reduce broadcast storms.
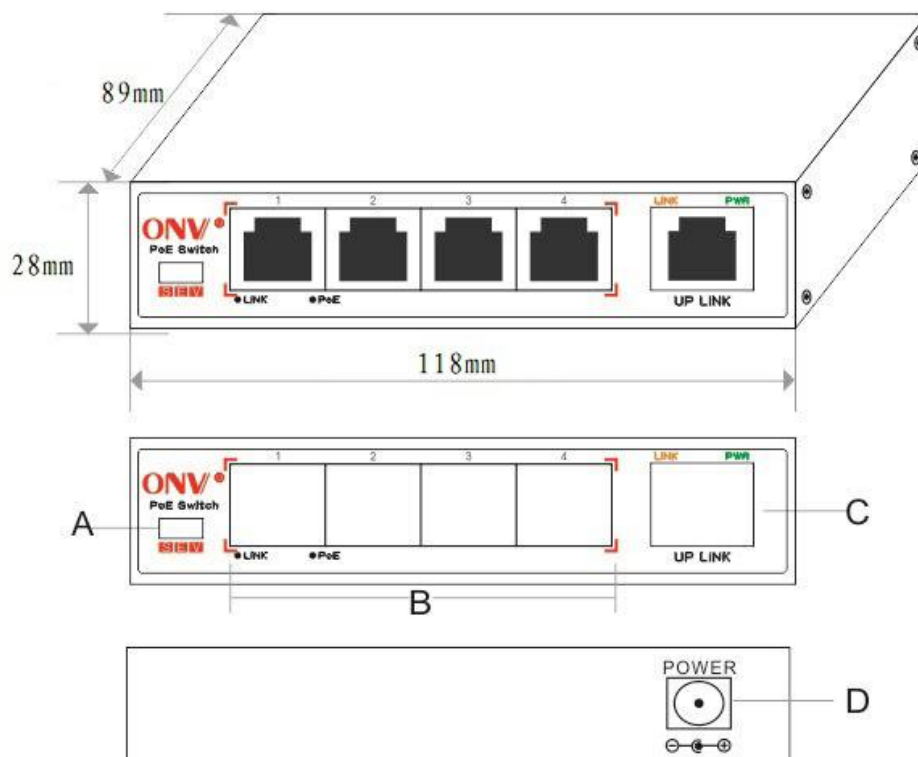
■ The equipment is stable and reliable

◇ The host has low power consumption, fanless mute design, galvanized steel and metal casing, and excellent heat dissipation to ensure stable operation of the product.

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

TECHNICAL SPECIFICATION

Model	ONV-POE31004PL	ONV-POE31004PL-at
Interface	4*10/100Base-TX PoE ports (Data/Power) 1*10/100Base-TX Uplink RJ45 port (Data)	
POE Port	Port 1-4 support PoE @ IEEE802.3af/at	
Functional Switch	1*(S,E,V) Note: When the switch status changes, the PoE switch must be restarted for the switch function to take effect.	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x	
PoE Standard	IEEE802.3af/at	
Ethernet Port Feature	Port 1-5 support 10/100BaseT(X) automatic detection, full/half Duplex MDI/MDI-X adaptive	
Fiber Port Feature	Store and Forward(Full Wire Speed)	
Forwarding Mode	1.6Gbps(non-blocking)	
Forwarding Rate@64byte	0.74Mpps	
MAC	1K	
Buffer Memory	768K	
Twisted Pair Transmission	10BASE-T:Cat3,4,5 UTP(≤250 meter) 100BASE-TX:Cat5 or later UTP(≤100 meter)	
Power Supply Pin	Default 1/2(+), 3/6(-);Optional 4/5(+), 7/8(-)	
MAX / AVERAGE Power Per Port	30W/15.4W	30W/30W
Total PWR / Input Voltage	65W (DC 52V)	110W (DC 52V)
Power Consumption	Standby:<4W;Full load:<65W	Standby:<6W;Full load:<110W
LED Indicator	Power Indicator: PWR (green); Network : Link (yellow); POE Indicator : PoE (green)	
Power Supply	External power adaptor AC100~240V 50-60Hz 1A	External power adaptor AC100~240V 50-60Hz 2A
Operation TEMP / Humidity	-20~+55°C:5%~90% RH non condensing	
Storage TEMP / Humidity	-40~+75°C;5%~95% RH non condensing	
Dimension	118*89*28mm	
Net /Gross Weight	<0.3kg / <0.8kg	
Installation Method	desktop type ,wall mounted	

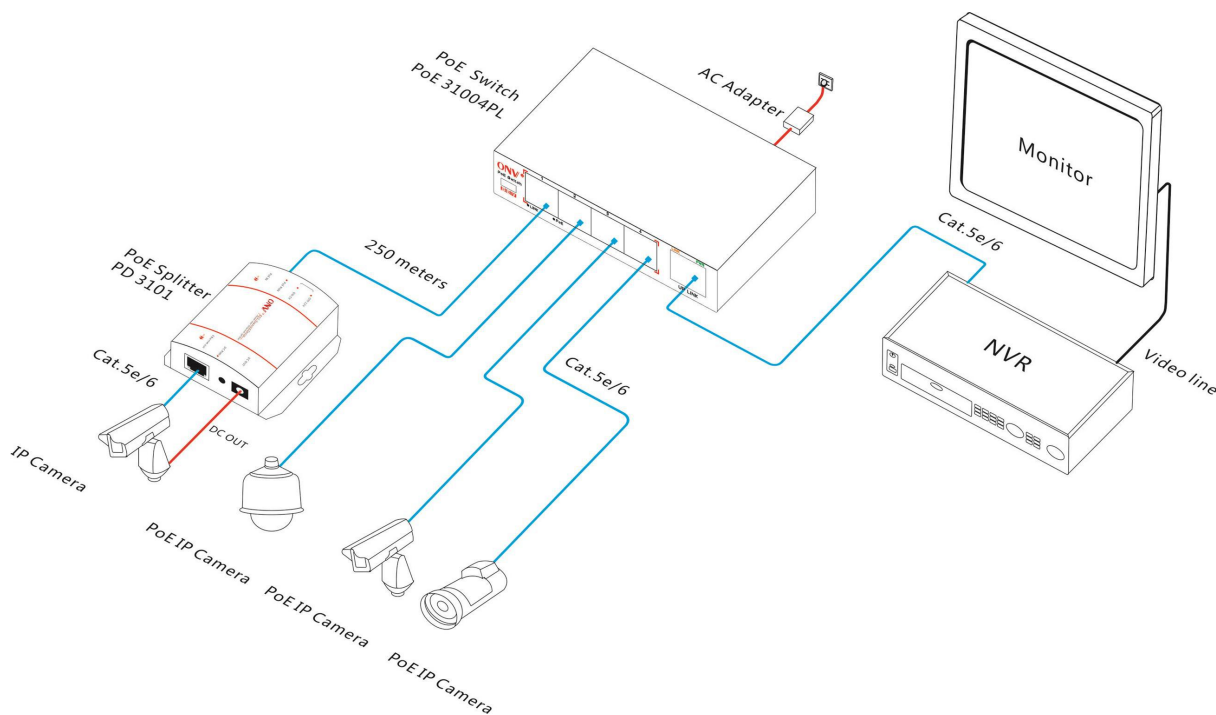| Port lightning protection / protection level	Port lightning protection : 4KV 8/20us; Protection level: IP30
Certification	CCC;CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B;RoHS
Warranty	3 years, 2 years for power supply; lifetime maintenance.

DIMENSION

A. Multi-function Switch (S: Standard Function, E:10M/250 Meters, V:VLAN)

B. 4 * PoE Ports   C. Uplink Port   D. Power Input Port

http://www.onvcom.com
+86 0755 33376606

APPLICATION

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	5-port 10/100Mbps PoE switch (ONV-POE31004PL)	1	SET
	AC Power Cable and power adapter	1	SET
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

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ORDERING INFORMATION

Model	Description
ONV-POE31004 PL	Unmanaged PoE switch with 4*10/100M PoE ports +1*10/100M uplink RJ45 port ,Port 1-4 can support IEEE 802.3af/at PoE standard, Adjust function switch, 1-4 port VLAN isolation or 10M/250m long distance transmission, external 65W power supply.
ONV-POE31004 PL-at	Unmanaged PoE switch with 4*10/100M PoE ports +1*10/100M uplink RJ45 port ,Port 1-4 can support IEEE 802.3af/at PoE standard, Adjust function switch, 1-4 port VLAN isolation or 10M/250m long distance transmission, external 110W power supply.

CONTACT US

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

Tel: 0086-755-33376606
Fax: 0086-755-33376608
Email: onv@onv.com.cn
Website: www.onvcom.com
Zip: 518000
Headquarter Address: Room 1003, Block D, Terra Building, Futian district, Shenzhen,China
Factory Address: The 4-6th Floor, No. 59, HuaNing Road, Xinwei Community, Dalang Street, Longhua District, Shenzhen, China

http://www.onvcom.com
+86 0755 33376606