

Product Datasheet

6-port Gigabit Industrial PoE Switch

(ONV-IPS33064P)



- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Support Gigabit RJ45 ports, high-speed and high-bandwidth connections to meet the needs of various scenarios.

■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 4*10/100/1000Base-T RJ45 ports can support PoE power supply to meet the needs of PoE power supply in various scenarios in the industrial field.
- ◇ The priority system for PoE ports will supply power to the high-priority port first when the power budget is insufficient, avoiding overloading the device.

■ Stable and reliable

- ◇ CE, FCC, RoHS.
- ◇ The user-friendly panel can show the device status through the LED indicators of PWR, Link, and PoE.
- ◇ Low power consumption, aluminum alloy housing, and excellent heat dissipation to ensure stable operation of the switch.

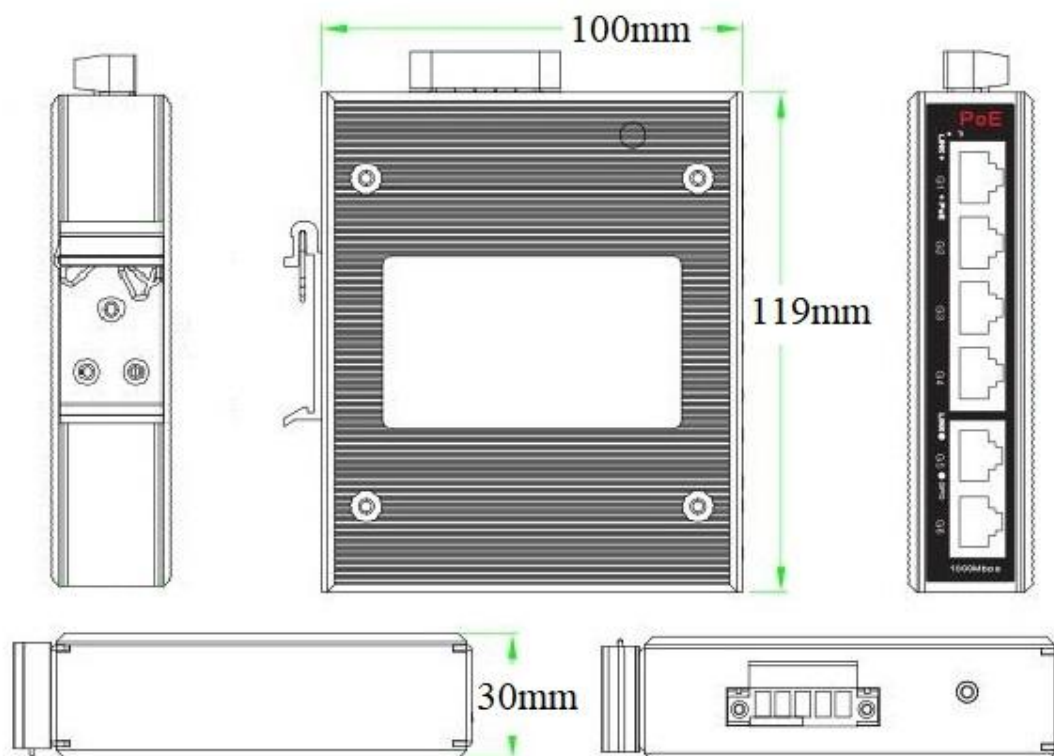
TECHNICAL SPECIFICATION

Model	ONV-IPS33064P
Interface Characteristics	
Fixed Port	4*10/100/1000Base-T PoE ports (Data/ Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2 set V+, V- redundant DC power port (5P industrial Phoenix terminal)
Ethernet Port	Ports 1-6 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters)

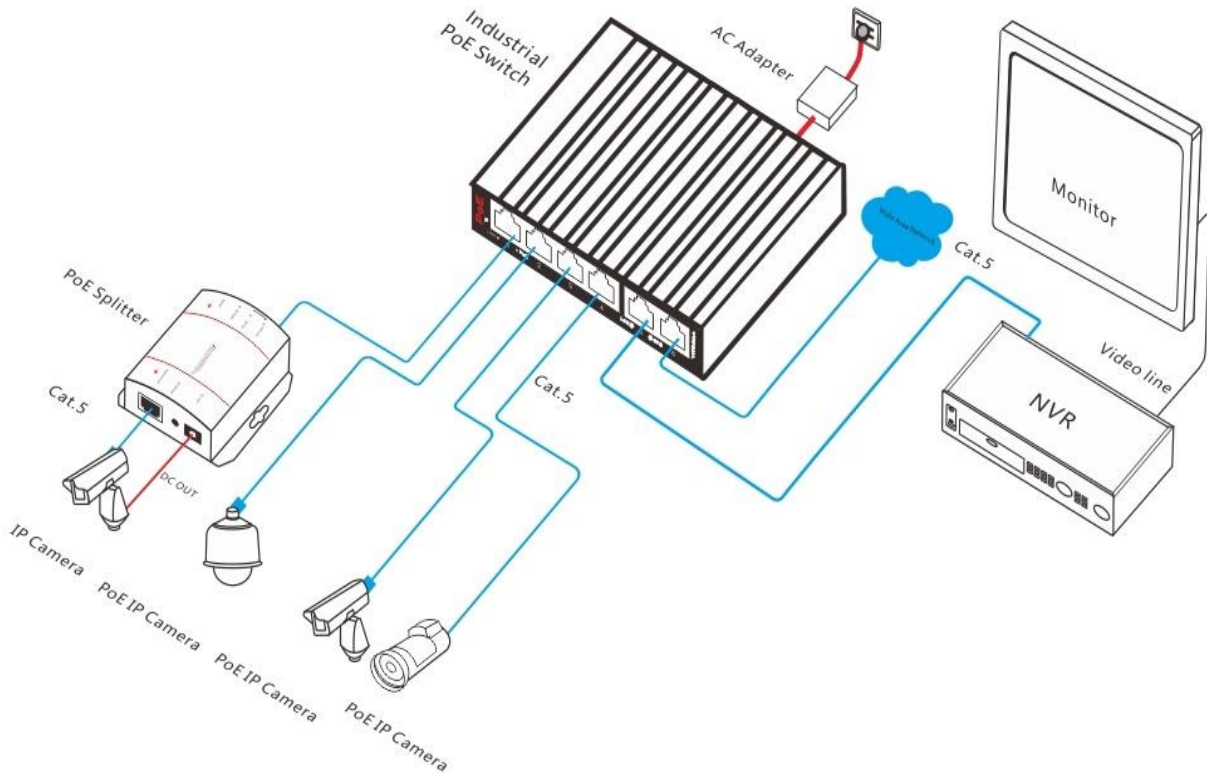
	1000BASE-T: Cat5e or later UTP (≤100 meters)
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x
Forwarding Mode	Store and forward (Full wire speed)
Switching Capacity	12Gbps (non-blocking)
Forwarding Rate@64byte	8.93Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	POE: PoE (Green), Speed: SPD (Green), Power: PWR (Green), Network: Link (Yellow)
PoE& Power Supply	
PoE Port	Port 1-4
Power Supply Pin	1/2(+) 3/6 (-)
Max Power Per Port	30W, IEEE802.3af/at
Power Consumption	Standby<5W, full load<60W
Input Voltage/ Interface	DC44-57V, 5P industrial Phoenix terminal supports anti-reverse protection.
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply
Physical Parameter	
Operation Temp/ Humidity	-40~+80°C, 5%~90% RH non-condensing
Storage Temp/ Humidity	-40~+85°C, 5%~95% RH non-condensing
Dimension	119*100*30mm
Net /Gross Weight	0.4kg/ 0.5 kg
Installation	Desktop, 35mm DIN Rail
Certification& Warranty	
Lightning Protection	IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A

	IEC61000-6-2 (Common Industrial Standard) IEC61000-4-9 (Pulsed magnetic field): 1000A/m IEC61000-4-10 (Damped oscillation): 30A/m 1MHz IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV Protection level: IP40, Lightning protection: 6KV 8/20us IEC61000-4-4(EFT): Power cable: $\pm 4\text{kV}$, data cable: $\pm 2\text{kV}$ IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s IEC61000-4-2 (ESD): $\pm 8\text{kV}$ contact discharge, $\pm 15\text{kV}$ air discharge IEC61000-4-6 (Radio frequency transmission): 10V(150 kHz- 80 MHz) IEC61000-4-8 (Power frequency magnetic field): 100A/m, 1000A/m, 1s-3s IEC61000-4-5 (Surge): Power cable: CM$\pm 4\text{kV}$/ DM$\pm 2\text{kV}$, data cable: $\pm 4\text{kV}$
Mechanical Properties	IEC60068-2-6 (Anti Vibration), IEC60068-2-27 (Anti Shock), IEC60068-2-32 (Free Fall)
Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS
Warranty	5 years, lifelong maintenance.

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS33064P	Industrial PoE switch with 6*10/100/1000M RJ45 ports. Ports 1-4 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.	60W/120W
Note: The power supply is not included and needs to be purchased.		

PACKING LIST

Packing List	Content	Qty	Unit
	6-port Gigabit industrial PoE switch	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

POWER SUPPLY

Product	Model	Description	Unit
60W DIN Rail Industrial Power Supply	GWS-DP60-48	DIN Rail 60W single set of output power supply Input voltage: AC100V~240V 50-60Hz, 1.6A Output voltage: DC48V, 1.25A Operation temperature:-40℃ to +70℃	PC
120W DIN Rail Industrial Power Supply	GWS-DP120-48	DIN Rail 120W single set of output power supply Input voltage: AC100V~240V 50-60Hz, 2.3A Output voltage: DC48V, 2.5A Operation temperature:-40℃ to +70℃	PC

RELATED PRODUCT

Model	Description
ONV-IPS33064PF	Industrial PoE switch with 4*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Ports 1-4 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.
ONV-IPS33064PFG	Industrial PoE switch with 5*10/100/1000M RJ45 ports and 1*1000M uplink SFP fiber port. Ports 1-4 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.

ONV-IPS33108P	Industrial PoE switch with 10*10/100/1000M RJ45 ports. Ports 1-8 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.
ONV-IPS33108PF	Industrial PoE switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Ports 1-8 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.
ONV-IPS33128PF	Industrial PoE switch with 10*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Ports 1-8 support the IEEE 802.3 af/at PoE standard. It can support dual DC redundant power input (Phoenix terminal connection) and DIN rail mounting.

CONTACT US



Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Skype: onv@onv.com.cn

WeChat ID: ONV-PoE-IoT

Website: www.onvcom.com/ www.onvswitch.com

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen

Factory Address: Building B3, Galaxy Artificial Intelligence Industrial Park, No. 333, Zhongkai 6th Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou

