Product Datasheet

10-port Full Gigabit Industrial PoE Switch
(ONV-IPS33108P)

OVERVIEW

The ONV-IPS33108P is a full gigabit industrial PoE switch independently developed by ONV. It has 10*10/100/1000Base-T RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. single-port PoE power up to 30W. 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 device such as wireless AP, IP camera,industrial sensor through the network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction to form a cost-effective, stable and reliable communication network.

Unmanaged mode, plug, and play, no configuration, easy to use.

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FEATURE

■   **Gigabit wire speed forwarding**

◇ Support full gigabit Ethernet ports, high speed and high bandwidth connection 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.

■   **Powerful port lightning protection, wide voltage input**

◇ Contact discharge 8KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV;

◇ Industrial dual power input

◇ DC INPUT: 48V-57V, non-PoE DC INPUT: 12-48V.

■   **Intelligent PoE power supply**

◇ 10*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.

◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■   **Stable and reliable**

◇ Low power consumption, No fan, aluminum casing.

◇ CCC,CE, FCC, RoHS.

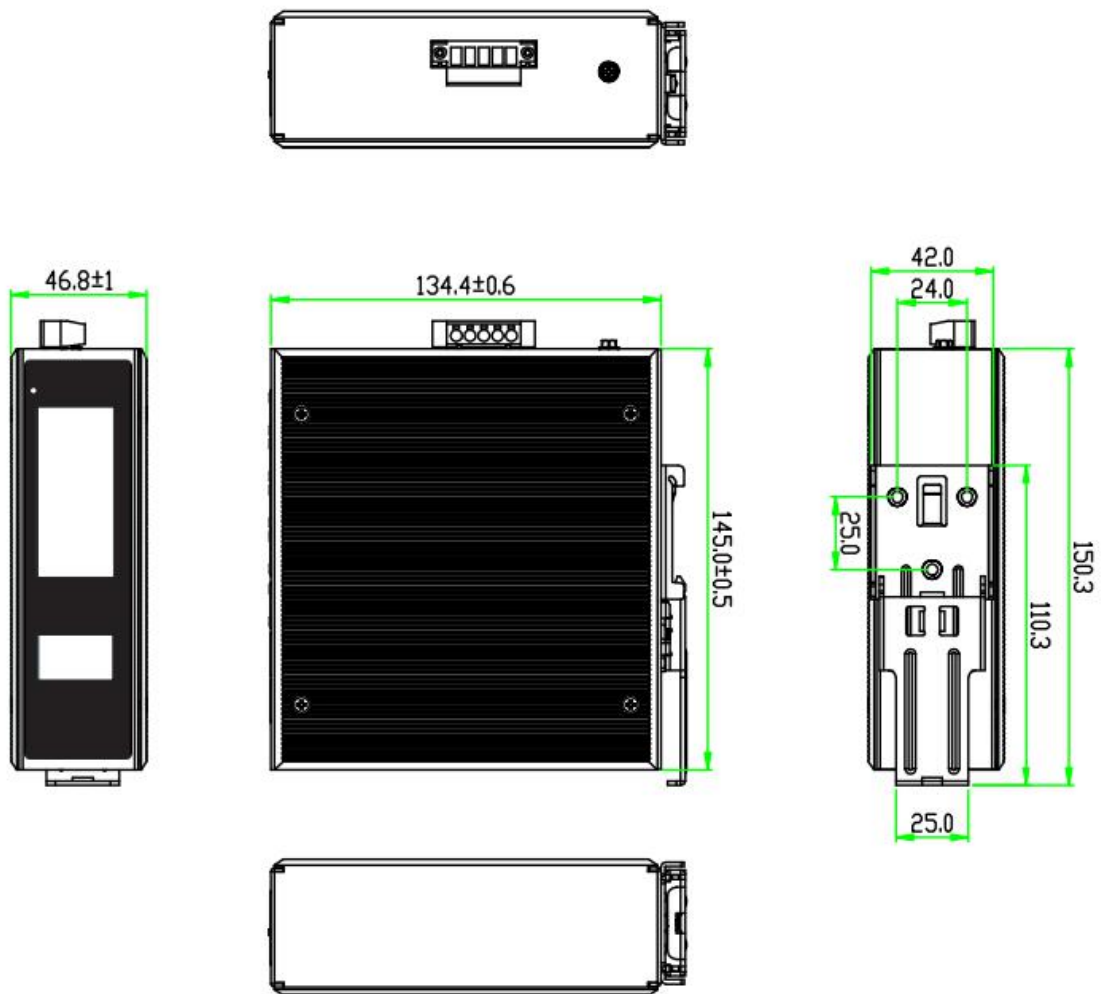◇ The user-friendly panel can show the device status through the LED indicator of PWR,Link, PoE.

TECHNICAL SPECIFICATION

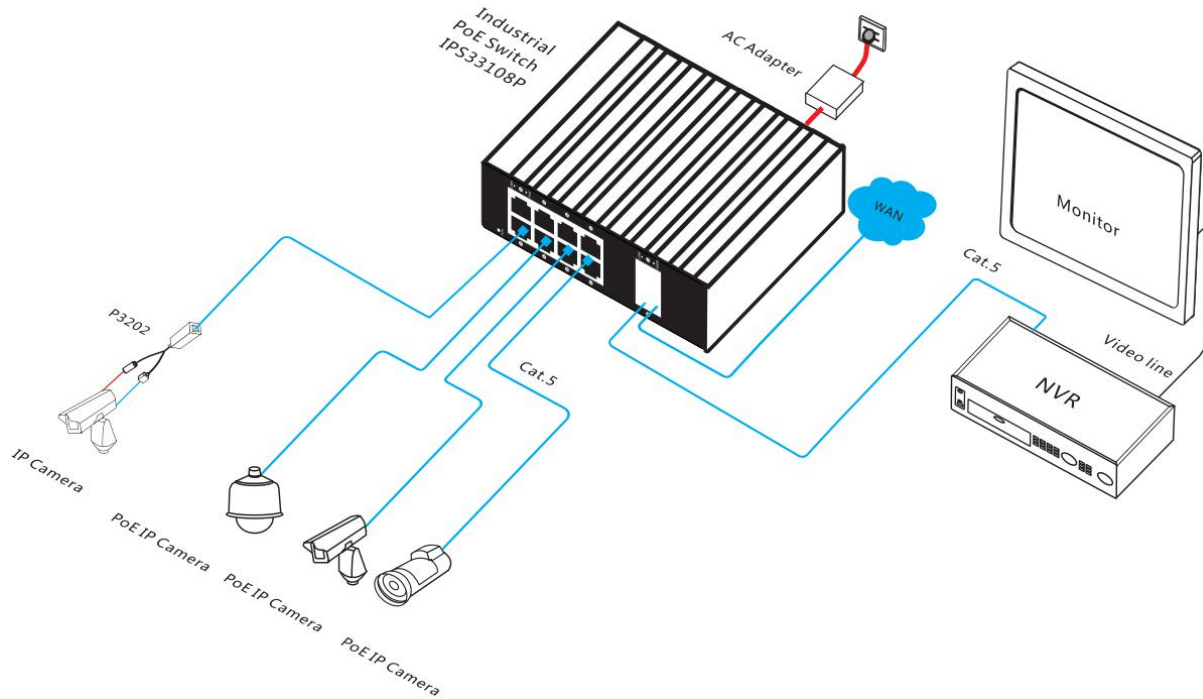| Model	ONV-IPS33108P
Interface Characteristics	
Fixed Port	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports(Data) 2 set of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	Port 1-10 support 10/100Base-TX,auto-sensing, Full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	20Gbps
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (green), network ;Link (yellow), POE: PoE (green), Speed: 1000 (green)
PoE & Power	
PoE Port	Port 1 to 8
Power Supply Pin	Default :1/2 (+), 3/6 (-)

Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	120W/48VDC
Power Consumption	Standby <8W, Full load<120W
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
Working Voltage	48-57VDC, 5P industrial Phoenix terminal, support anti-reverse protection.
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 (L*W*H)	145*134.5*47.5mm
Net /Gross Weight	<1.0kg / <1.2kg
Installation	Desktop, DIN rail
Certification & Warranty	
Lightning Protection / Protection Level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class B

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	IEC61000-6-2(Common Industrial Standard)
Mechanical Properties	IEC60068-2-6 (anti vibration)
	IEC60068-2-27 (anti shock)
	IEC60068-2-32 (free fall)
Certification	CCC, CE mark, commercial,　CE/LVD EN60950, FCC Part 15 Class B RoHS
Warranty	5 years, lifelong maintenance.

DIMENSION

APPLICATION

ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS33108P	Unmanaged industrial PoE switch with 10*10/100/1000M RJ45 ports. Port 1-8 can support IEEE802.3af/at PoE standard. Support dual DC power supply input and DIN rail mounting.	120W
Note: Industrial PoE switch does not included the power supply by default and needs to be purchased separately.		

PACKING LIST

PACKING LIST	CONTENT	QTY	UNIT
	10-port full gigabit industrial PoE switch	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

POWER SUPPLY SELECTION TABLE

Product	Model	Description	Unit
130W Desktop Power Adaptor	GWS-AP130-52	Desktop tape 130W single set of output power adapter; Input Voltage:AC 100V~240V 50-60Hz,2.3A Output Voltage:DC 52V 2.5A Operation Temperature:-20℃—+65℃	PC
250W Desktop Power Adaptor	GWS-AP250-52	Desktop tape 250W single set of output power adapter; Input Voltage:AC 100V~240V 50-60Hz,4.1A Output Voltage:DC 52V 4.8A Operation Temperature:-20℃—+65℃	PC
120W DIN Rail Industrial Power Supply	GWS-DP120-48	Din Rail type 120W single set of output power supply; Input Voltage:AC 100V~240V 50-60Hz,1.5A Output Voltage:DC 48V 2.5A	PC

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		Operation Temperature:-40℃—+70℃	
240W DIN Rail Industrial Power Supply	GWS-DP240-48	Din Rail type 240W single set of output power supply; Input Voltage:AC 100V~240V 50-60Hz,3A Output Voltage:DC 48V 5A Operation Temperature:-40℃—+70℃	PC

RELATED PRODUCT

Model	Description
ONV-IPS33064P	Unmanaged industrial PoE switch with 6*10/100/1000M RJ45 ports, Port 1-4 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33064PFG	Unmanaged industrial PoE fiber switch with 5*10/100/1000M RJ45 ports and 1*1000M SFP slot port, Port 1-4 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33064PF	Unmanaged industrial PoE switch with 4*10/100/1000M RJ45 ports and 2*1000M SFP slot ports, Port 1-4 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33108PF	Unmanaged industrial PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M SFP slot ports, Port 1-8 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33128PF	Unmanaged industrial PoE fiber switch with 10*10/100/1000M RJ45

ports and 2*1000M SFP slot ports, Port 1-8 can support

IEEE802.3af/at PoE standard. Support DC dual power supply input

and DIN rail mounting.

CONTACT US

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