Product Datasheet

10-port Gigabit Industrial PoE Switch

(ONV-IPS3108P)



OVERVIEW

The ONV-IPS3108P is a Gigabit industrial PoE switch independently developed by ONV. It has 10*10/100/1000Base-T adaptive RJ45 ports. Port 1-8 can support IEEE 802.3 af/at PoE standard and 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 devices such as wireless AP, IP cameras, and industrial sensors through the network cable. It also meets the network environment that needs a high-density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, and sea transportation. Industrial scenes such as metallurgy and green energy, construction form a cost-effective, stable, and reliable communication network. Unmanaged mode, plug and play, no configuration, easy to use.

FEATURE

- Gigabit access
- Support non-blocking line speed forwarding.

- ♦ Support IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control.
- ♦ 8*10/100/1000Base-T RJ45 ports and uplink Gigabit RJ45 port, convenient for users to flexibly network to meet the networking needs of various scenarios.

■ Smart PoE power supply

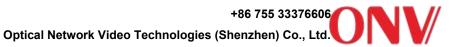
- ♦ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ♦ 8*10/100/1000Base-T RJ45 ports can support PoE power supply to meet the needs of PoE power supply in various scenarios in the industrial field.

■ Stable and reliable

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

TECHNICAL SPECIFICATION

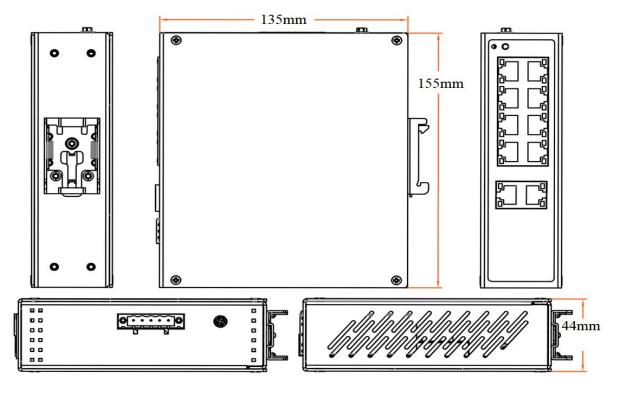
Model	ONV-IPS3108P		
Interface Characteristics			
	8*10/100/1000Base-T PoE ports (Data/ Power)		
Fixed Port	2*10/100/1000Base-T uplink RJ45 ports (Data)		
	2 sets V+, V- redundant DC power port (5P industrial Phoenix terminal)		
Ethernet Port	Port G1-G10 can support 10/100/1000Base-T(X) auto-sensing, full/ half		
	duplex MDI/ MDI-X self-adaption		
	10BASE-T: Cat3,4,5 UTP (≤100 meters)		
Twisted Pair Transmission	100BASE-TX: Cat5 or later UTP (≤100 meters)		
	1000BASE-T: Cat5e or later UTP (≤100 meters)		
Chip Parameter			



Network Protocol IEEE 802.3 10BASE-T, IEEE 802.3 i				
IEEE 802.3ab 1000Base-T, IEEE 802.3x	Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX,		
Switching Capacity 20Gbps (non-blocking) Forwarding Rate@64byte 14.88Mpps MAC 2K Buffer Memory 2M Jumbo Frame 9.2K LED Indicator Power: PWR (Green), PoE: PoE G1-G8 (Green), Network: Link G1-G10 (Yellow) PoE&Power Supply Port 1-8 Power Supply Pin 1/2(+) 3/6(-) Max Power Per Port 30W, IEEE 802.3 af/at Power Consumption Standby<8W, Full load af<120W, at<240W	THE COUNTY TO LOCAL	IEEE 802.3ab 1000Base-T, IEEE 802.3x		
Forwarding Rate@64byte 14.88Mpps MAC 2K Buffer Memory 2M Jumbo Frame 9.2K LED Indicator Power: PWR (Green), PoE: PoE G1-G8 (Green), Network: Link G1-G10 (Yellow) PoE&Power Supply Po Port Port 1-8 Power Supply Pin 1/2(+) 3/6(-) Max Power Per Port 30W, IEEE 802.3 af/at Power Consumption Standby<8W, Full load af<120W, at<240W	Forwarding Mode	Store and Forward (Full Wire Speed)		
MAC 2K Buffer Memory 2M Jumbo Frame 9.2K LED Indicator Power: PWR (Green), PoE: PoE G1-G8 (Green), Network: Link G1-G10 (Yellow) PoE Port Port Port 1/2(+) 3/6(-) Max Power Per Port Power Supply Pin 1/2(+) 3/6(-) Max Power Per Port Standby 30W, IEEE 802.3 af/at Power Consumption Standby Standby Input Voltage/ Interface DC44-56V, 5P industrial Phoenix terminal, support anti-reverse protection. Power Supply No, optional 48V/120W or 48V/240W industrial power supply Physical Parameter Operation Temp/ Humidity -40~+75°C, 5%~90% RH Non condensing Storage Temp/ Humidity -40~+85°C, 5%~95% RH Non condensing Dimension (L*W*H) 155*135*44mm Net /Gross Weight 0.6kg/ 0.8kg Installation Desktop, 35mm DIN Rail Certification & Warranty Protection level: IP30 Lightning protection: 6KV 8/20us Lightning Protection IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A	Switching Capacity	20Gbps (non-blocking)		
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Protection level: IP30 Lightning protection: 6KV 8/20us Lightning Protection IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A	Installation	Desktop, 35mm DIN Rail		
Lightning protection: 6KV 8/20us Lightning Protection IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A	Certification & Warranty			
Lightning Protection IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A		Protection level: IP30		
FCC Part 15/CISPR22 (EN55022): Class A		Lightning protection: 6KV 8/20us		
	Lightning Protection	IEC61000-4-3 (RS):10V/m (80~1000MHz)		
IEC61000-6-2 (Common Industrial Standard)		FCC Part 15/CISPR22 (EN55022): Class A		
		IEC61000-6-2 (Common Industrial Standard)		

	IEC61000-4-9 (Pulsed magnet field): 1000A/m
	IEC61000-4-10 (Damped oscillation): 30A/m 1MHz
	IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV
	IEC61000-4-4(EFT): Power cable: ±4kV, data cable: ±2kV
	IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s
	IEC61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge
	IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz)
	IEC61000-4-8 (Power frequency magnetic field): 100A/m, 1000A/m, 1s-3s
	IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, data cable: ±4kV
Machaniael Duanautica	IEC60068-2-6 (Anti Vibration), IEC60068-2-32 (Free Fall), IEC60068-2-27
Mechanical Properties	(Anti Shock)
0 17 1	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A,
Certification	RoHS
Warranty	5 years, lifelong maintenance.

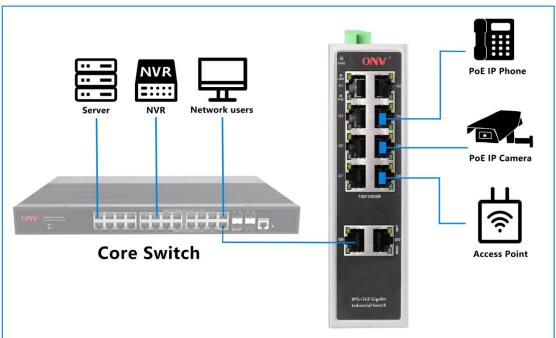
DIMENSION



APPLICATION







ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS3108P	Unmanaged industrial PoE switch with 10*10/100/1000M RJ45 ports. Port 1-8 can support IEEE 802.3 af/at PoE standard. It can support dual DC redundant power supply (Phoenix terminal) input and DIN rail mounting.	120W/240W
Note: The power supp	oly is not included and needs to be purchased.	

PACKING LIST

	Content	Qty	Unit
Packing List	10-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
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
240W DIN Rail Industrial Power Supply	GWS-DP240-48	DIN Rail 240W single set of output power supply Input Voltage: AC100V~240V 50-60Hz, 3.0A Output Voltage: DC48V, 5.0A Operation Temperature: -40℃ to +70℃	PC

CONTACT US

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