

Product Datasheet

8-port 10/100M Industrial Ethernet Switch (ONV-IPS1008)



OVERVIEW

The ONV-IPS1008 is a 10/100M industrial Ethernet switch independently developed by ONV. It has 8*10/100M adaptive RJ45 ports. Each port can support full line-rate forwarding.

The ONV-IPS1008 has excellent industrial field environment adaptability (mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.). The protection level is IP40 and 5-year warranty. It is suitable for industrial scenes such as intelligent transportation, rail transit, power industry, mining, petroleum, shipping, metallurgy, and green energy construction to form a cost-effective, stable, and reliable communication network. Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

- **Gigabit wire-speed forwarding**
- ◇ Support non-blocking wire-speed forwarding.

- ◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- ◇ Support 10/100M RJ45 port, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR and L/A.
- ◇ Low power consumption, no fan, aluminum alloy housing, and excellent heat dissipation to ensure the stable operation of the switch.

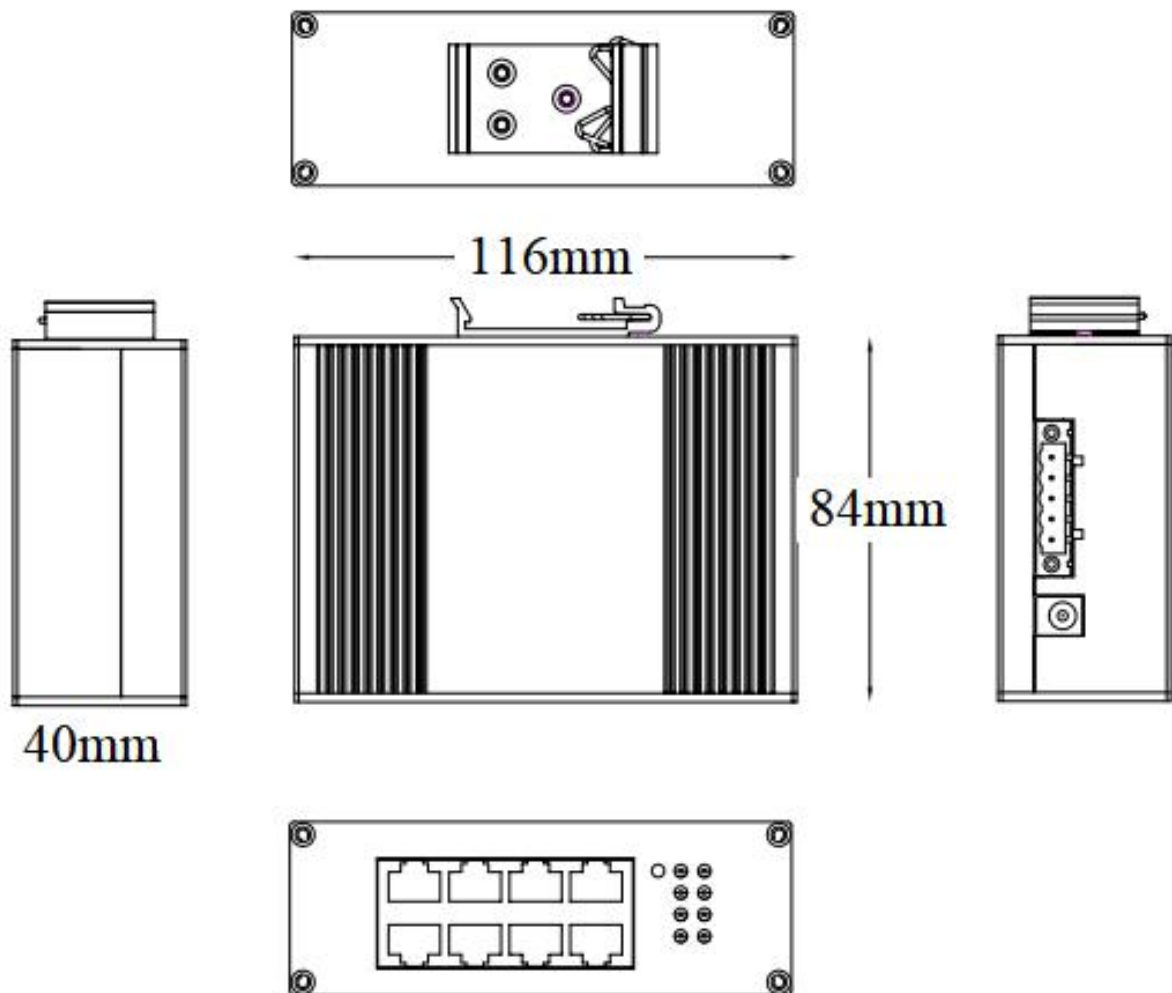
TECHNICAL SPECIFICATION

Model	ONV-IPS1008
Interface Characteristics	
Fixed Port	1*DC5521 power socket
	8*10/100Base-TX RJ45 ports (Data)
	2 sets V+, V- redundant DC power port (5P Phoenix terminal)
Ethernet Port	Port 1-8 can support 10/100Base-TX auto-sensing, full/ half duplex MDI/MDI-X self-adaption
Twisted Pair	10BASE-T: Cat3,4,5 UTP (≤100 meters)
Transmission	100BASE-TX: Cat5 or later UTP (≤100 meters)
Chip Parameter	
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3u 100Base-TX, IEEE 802.3i 10Base-T, IEEE 802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	1.6Gbps (non-blocking)
Forwarding Rate @64byte	1.19Mpps
MAC	1K

Buffer Memory	768K
Jumbo Frame	1536bytes
LED Indicator	Power: PWR (Green), Network: Link (Green)
Power Supply	
Working Voltage	DC12-48V, 5P industrial phoenix terminal, support anti-reverse protection
Power Consumption	Standby<1W, Full load<4W
Power Supply	No, optional 24V/24W 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)	116*84*40mm
Net /Gross Weight	0.35kg / 0.45kg
Installation	Desktop, 35mm DIN Rail
Certification & Warranty	
Lightning Protection	<p>Protection level: IP40</p> <p>Lightning protection: 6KV 8/20us</p> <p>IEC61000-4-3 (RS): 10V/m (80~1000MHz)</p> <p>FCC Part 15/ CISPR22 (EN55022): Class B</p> <p>IEC61000-6-2 (Common Industrial Standard)</p> <p>IEC61000-4-9 (Pulsed magnet field): 1000A/m</p> <p>IEC61000-4-10 (Damped oscillation): 30A/m, 1MHz</p> <p>IEC61000-4-12/18 (Shockwave): CM 2.5kV, DM 1kV</p> <p>IEC61000-4-4(EFT): Power cable: ±4kV, Data cable: ±2kV</p> <p>IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s</p> <p>IEC61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz)</p> <p>IEC61000-4-8 (Power frequency magnetic field): 100A/m, 1000A/m, 1s-3s</p>

	IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, Data cable: ±4kV
Mechanical Properties	IEC60068-2-6 (Anti Vibration), IEC60068-2-32 (Free Fall), IEC60068-2-27 (Anti Shock)
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	5 years, lifelong maintenance.

DIMENSION



ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS1008	Unmanaged industrial Ethernet switch with 8*10/100M RJ45 ports. It can support dual DC redundant power input and DIN Rail mounting.	24V/24W

Note: The power supply is not included and needs to be purchased.

PACKING LIST

	Content	Qty	Unit
Packing List	8-port 10/100M industrial Ethernet switch	1	Set
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

POWER SUPPLY

Product	Model	Description	Unit
24W DIN Rail Industrial Power Supply	GWS-DP24-24	DIN Rail 24W single set of output power supply Input Voltage: AC100V-240V 50-60Hz, 0.35A Output Voltage: DC24V, 1.0A Operation Temperature: -40°C to +70°C	PC

CONTACT US



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