Product Datasheet

6-port 10/100M Industrial Ethernet Switch

(ONV-IPS1064)

OVERVIEW

The ONV-IPS1064 is a 10/100M industrial Ethernet switch independently developed by ONV. It is designed to meet industrial fields and systems and can operate stably for a long time in harsh environments. It has 6*10/100M RJ45 ports. Each port can support full line-rate forwarding.

The ONV-IPS1064 has excellent industrial field environment adaptability (including mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.). The protection level is IP30 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.

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FEATURE

- **10/100M access, Fast Ethernet**

◇ 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 and uplink RJ45 port combination, 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

Link.

◇ Low power consumption, no fan, Aluminum alloy housing, and excellent heat dissipation to
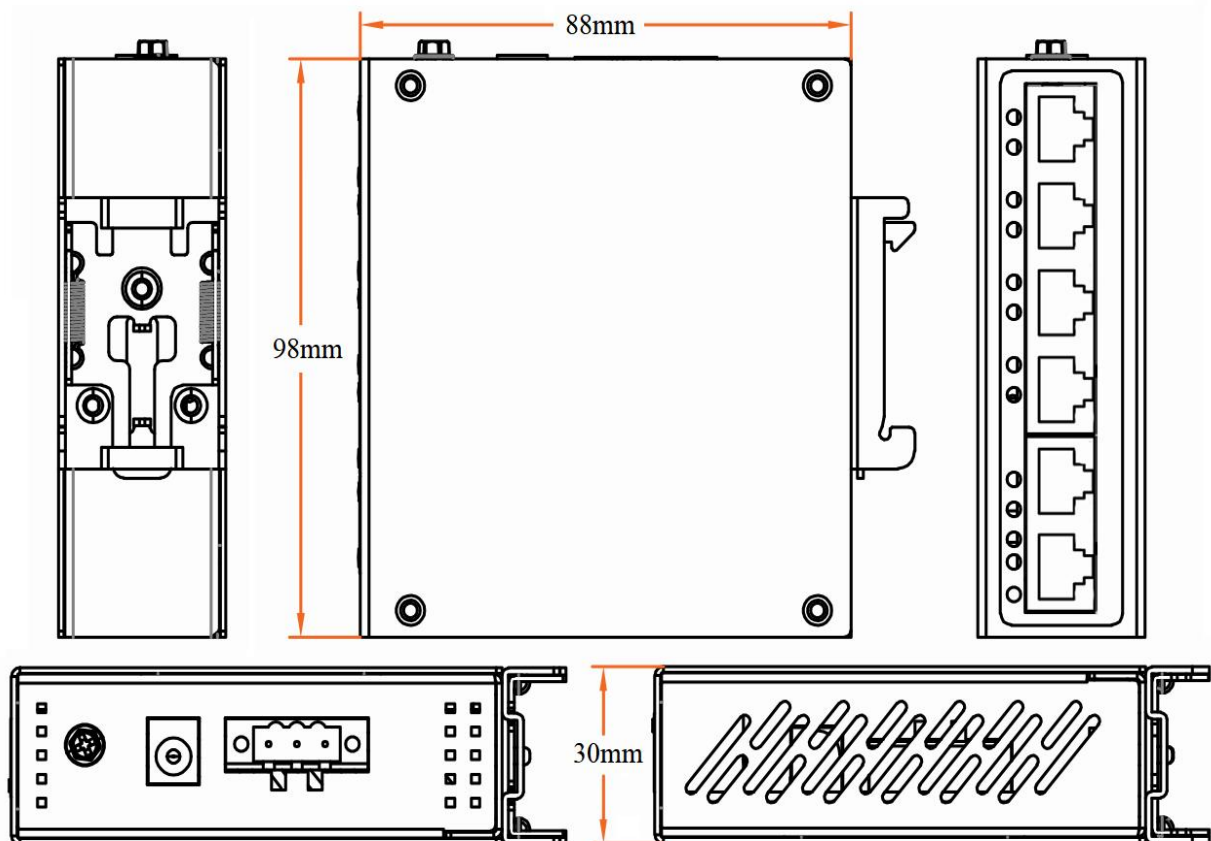
ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

Model	ONV-IPS1064
Interface Characteristics	
Fixed Port	1*DC5521 power socket 6*10/100Base-TX RJ45 ports (Data) 2 sets V+, V- redundant DC power port (3P Phoenix terminal)
Ethernet Port	Port 1-6 can support 10/100Base-TX 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)
Chip Parameter	
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)

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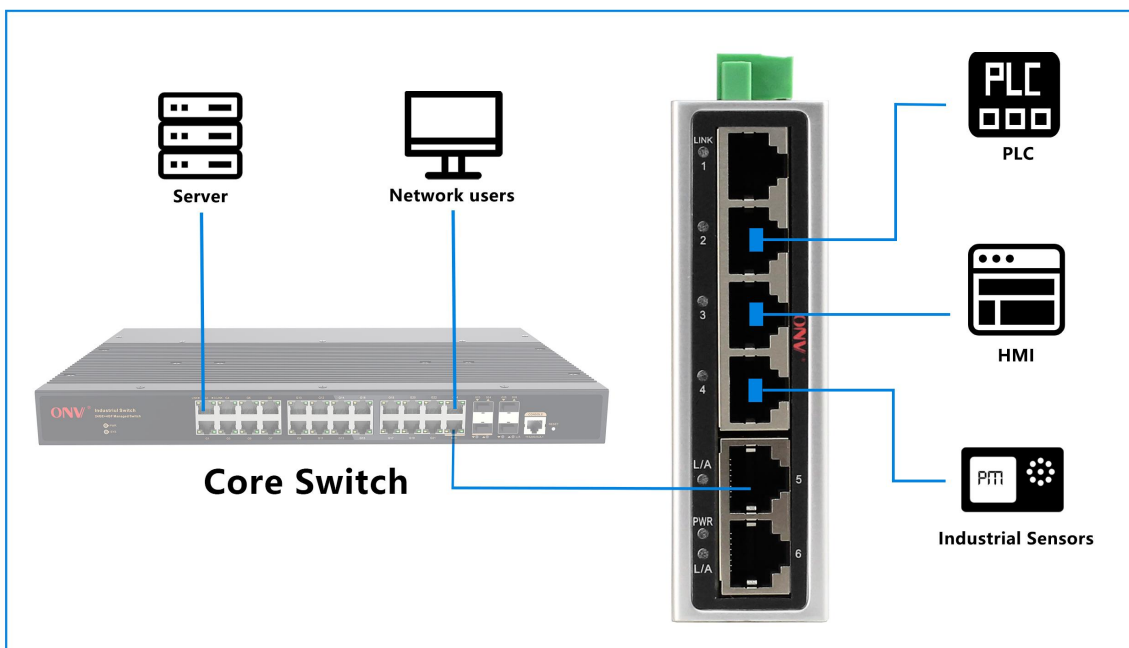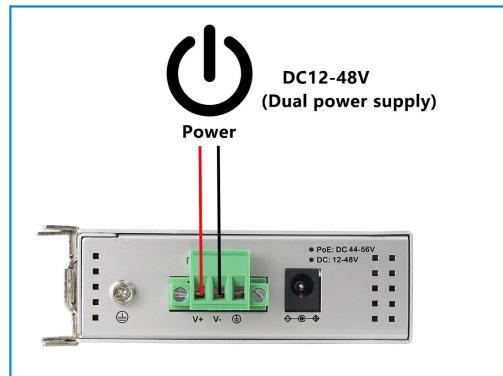| Switching Capacity	1.6Gbps (No-blocking)
Forwarding Rate @64byte	0.89Mpps
MAC	2K
Buffer Memory	768K
Jumbo Frame	2048bytes
LED Indicator	Power: PWR (Green), Network: Link 1-6(Yellow)
Power Supply	
Power Consumption	Standby<3W, Full load<5W
Working Voltage	DC12-48V, 3P industrial phoenix terminal, anti-reverse protection.
Power Supply	No, optional 12V/24W or 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)	98*88*30mm
Net /Gross Weight	0.25kg/ 0.35kg
Installation	Desktop, 35mm DIN Rail
Certification & Warranty	
Lightning Protection	Protection level: IP30 Lightning protection: 6KV 8/20us IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class B 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

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	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
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

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APPLICATION

🔌 **Plug and play**

🌡 **Wide temperature range**

🛠 **DIN Rail installation**

Power
DC12-48V
(Dual power supply)

Server

Network users

Core Switch

PLC

HMI

Industrial Sensors

ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS1064	Unmanaged industrial Ethernet switch with 6*10/100M RJ45 ports. It can support dual DC redundant power input and DIN Rail mounting.	24W

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

PACKING LIST

Packing List	Content	Qty	Unit
	6-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-DP24-12	DIN Rail 24W single set of output power supply Input Voltage: AC100V~240V 50-60H, 0.35A Output Voltage: DC12V, 2.0A Operation Temperature: -40℃ to +70℃	PC
24W DIN Rail Industrial Power Supply	GWS-DP24-24	DIN Rail 24W single set of output power supply Input Voltage: AC100V~240V 50-60H, 0.35A Output Voltage: DC24V, 1.0A Operation Temperature: -40℃ to +70℃	PC

CONTACT US

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