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 has 6*10/100M adaptive RJ45 ports. Each port can support full line-rate forwarding.

The ONV-IPS1064 has excellent industrial field environment adaptability (mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.). 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 mode, plug and play, no configuration, easy to use.

FEATURE

- 10/100M access
- 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

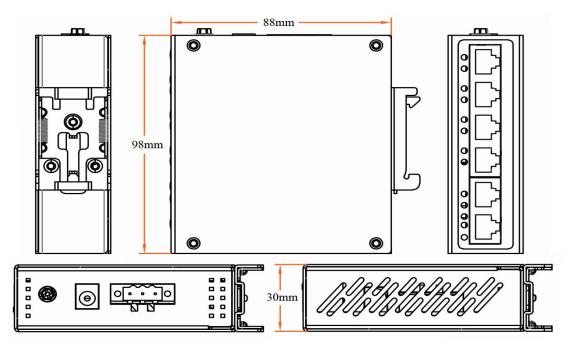
- ♦ CCC, CE, FCC, RoHS.
- ♦ The user-friendly panel can show the device status through the LED indicator of PWR and Link.
- ♦ Low power consumption, aluminum alloy housing, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

Model	ONV-IPS1064		
Interface Characteristics			
Fixed Port	6*10/100Base-TX RJ45 ports (Data)		
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)		
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 DC12-48V, 3P industrial terminal and DC power jack, support 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 Protection level: IP30 Lightning protection: 6kV 8/20us IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A IEC61000-4-9 (Pulsed magnet field): 1000A/m IEC61000-4-9 (Pulsed magnet field): 1000A/m IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV IEC61000-4-6 (Common-mode transmission): 30V, 300V, 1s IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz) IEC61000-4-8 (Power frequency magnetic field): 1000A/m, 1000A/m, 1-3-3s IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, data cable: ±4kV Mechanical Properties Mechanical Properties Certification Ce mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS Warranty 5 years, lifelong maintenance.			
Input Voltage/ Interface Power Supply No, optional 12V/24W or 24V/24W industrial power supply Physical Parameter Operation Temp/ Humidity 40~+85°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 Protection level: IP30 Lightning protection: 6KV 8/20us IEC61000-4-3 (RS):10V/m (80~1000MHz) FCC Part 15/CISPR22 (EN55022): Class A IEC61000-4-9 (Pulsed magnet field): 1000A/m IEC61000-4-10 (Damped oscillation): 30A/m 1MHz IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz) IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, data cable: ±4kV Mechanical Properties Mechanical Properties Certification CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS	Power Consumption	Standby<3W, Full load<5W	
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	Modification Properties	(Anti Shock)	
Warranty 5 years, lifelong maintenance.	Certification	CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS	
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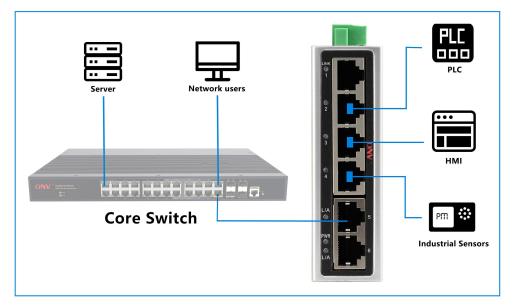
DIMENSION



APPLICATION







ORDERING INFORMATION

Model	Description	Recommended Power Supply	
ONV-IPS1064	Unmanaged industrial Ethernet switch with 6*10/100M RJ45 ports. It can support dual DC power input and DIN Rail mounting.	24W	
Note: The power supply is not included and needs to be purchased			

PACKING LIST

	Content	Qty	Unit
Packing List	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°C to +70°C	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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