6-port Full Gigabit Industrial PoE Fiber Switch

- 4*10/100/1000Base-T RJ45 ports and 2*1000Base-X uplink SFP ports. Port 1-4 can support PoE standard.
- Dual uplink SFP fiber port , long-distance transmission
- Dual power supply input , DC input: 48V-57V, 6KV port lightning protection,
- -40°C—+80°C operation temperature
- Large cache military-level master chip configuration, IP40 protection aluminum alloy case, 5-year warranty.
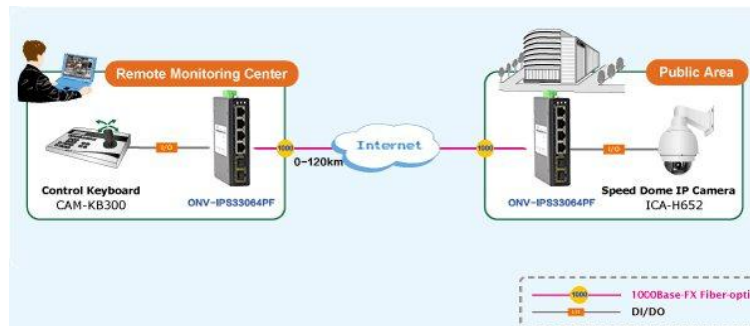
OVERVIEW

The ONV-IPS33064PF is a full gigabit industrial PoE fiber switch independently developed by ONV. It has 4*10/100/1000Base-T RJ45 ports and 2*1000Base-X SFP fiber slot ports. Port 1-4 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 form a cost-effective, stable and reliable communication network.
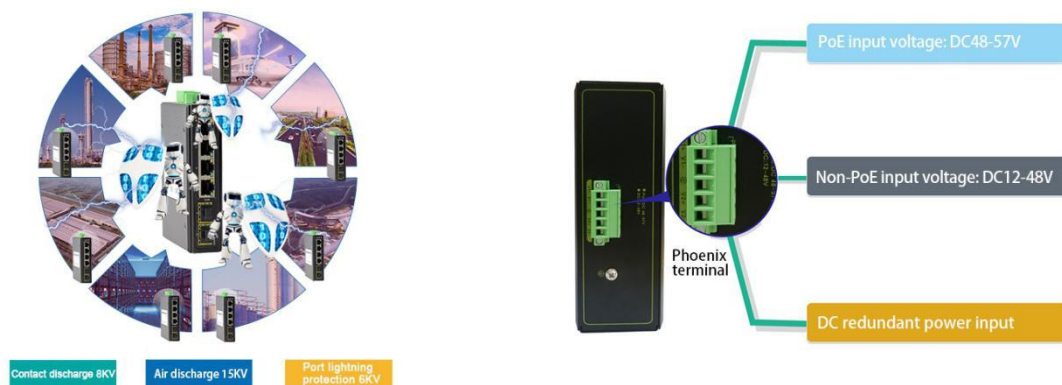
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FEATURE

■ **Gigabit Ethernet port access，uplink gigabit dual SFP port**

◇ Dual SFP fiber ports can cascade, chain, compatible with SFP module connection.

◇ Uplink gigabit dual SFP fiber ports, easy to achieve high bandwidth and long-distance

transmission.

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

◇ Industrial dual power input.

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

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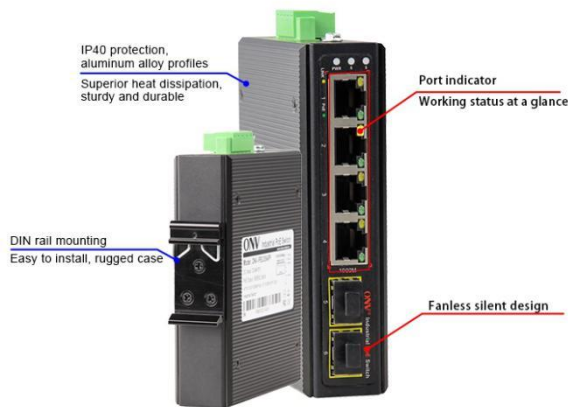
differential mode 2KV.

■ **Intelligent PoE power supply**

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

◇ 4*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing

system, wireless coverage, and other scenarios.

◇ Priority system for PoE port, it will supply power to the high priority level port first when the

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power budget is insufficient and avoid overwork of the device.

■ **Stable and reliable**

◇ CCC,CE, FCC, RoHS.

◇ Low power consumption, No fan, aluminum casing.

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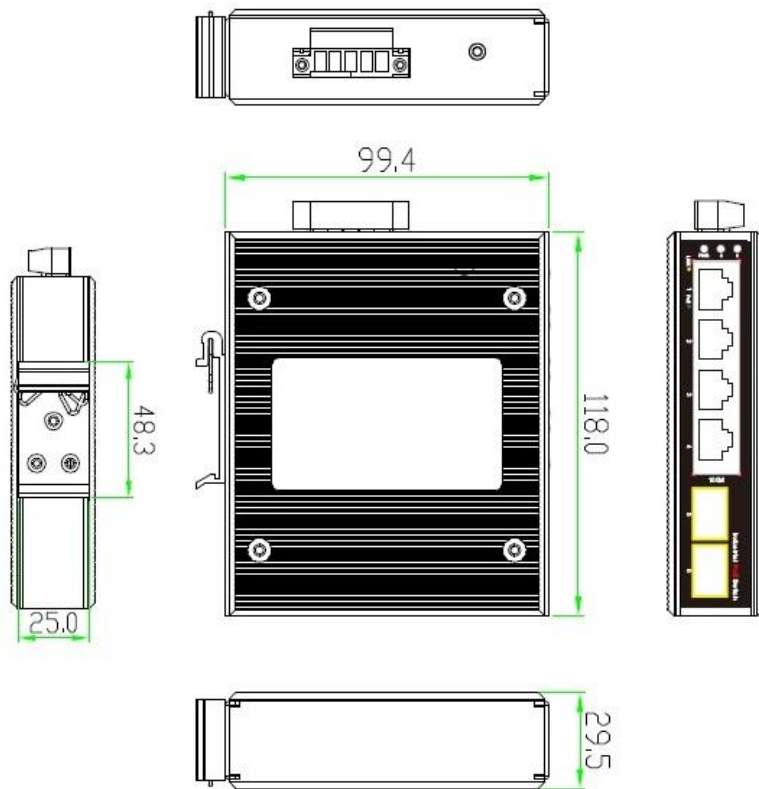
Link, L/A, PoE.

TECHNICAL SPECIFICATION

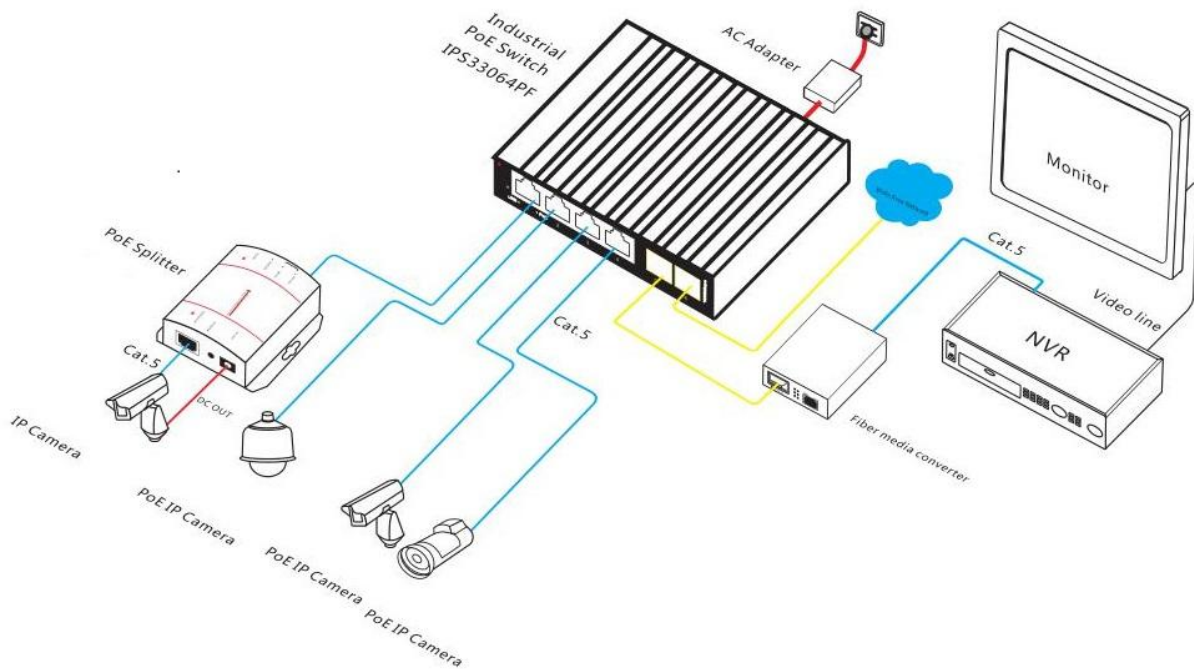| Model	ONV-IPS33064PF
Interface Characteristics	
Fixed Port	4*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP slot ports(Data) 2 set of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	Port 1-4 support 10/100/1000Base-T auto-sensing, Full/half duplex MDI/MDI-X 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)
Fiber Port	Gigabit SFP optical fiber port, default no include optical modules

	(optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multi-mode: 850nm/0-550M, Single-mode: 1310nm/0 -40KM, 1550nm/0-120KM.
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IIEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	12Gbps
Forwarding Rate@64byte	8.93Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), Network: Link, (Yellow), POE: PoE (Green), Fiber port: 5/6 (Green)
PoE & Power	
PoE Port	Port 1 to 4 IEEE802.3af/at @ POE
Power Supply Pin	1/2 (+) 3/6 (-)
Max Power Per Port	30W, IEEE802.3af/at
Power Consumption	Standby:<5W, Full load:af<60W, at<120W
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply
Working Voltage	DC48-57V, 5P industrial Phoenix terminal, support anti-reverse protection.
Physical Parameter	
Operation TEMP / Humidity	-40~+80°C, 5%~90% RH Non condensing
Storage TEMP /	-40~+85°C, 5%~95% RH Non condensing

Humidity	
Dimension (L*W*H)	119*100*30mm
Net /Gross Weight	<0.5kg / <0.7 kg
Installation	Desktop, 35mm DIN rail
Certification & Warranty	
Lightning Protection	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 A 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 EN62368-1, FCC Part 15 Class B, RoHS
Warranty	5 years, lifelong maintenance.

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DIMENSION

99.4

118.0

48.3

25.0

29.5

APPLICATION

Industrial
PoE Switch
IPS33064PF

AC Adapter

Monitor

PoE Splitter

Cat.5

Cat.5

Cat.5

Video line

IP Camera

NVR

DC OUT

PoE IP Camera

PoE IP Camera

PoE IP Camera

Fiber media converter

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ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS33064PF	Unmanaged industrial PoE fiber 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 dual DC power supply input and DIN rail mounting.	60W/120W

Note: Industrial PoE fiber switch does not include the optical module and power supply.

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	6-port full gigabit industrial PoE fiber switch	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630-G	Industrial SFP optical module, 1.25G, multi-mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC
	2632-G	Industrial SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC

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	2612-T-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2613-R-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T-G-SC	Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
	2613-R-G-SC	Industrial SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

POWER SUPPLY

Product	Model	Description	Unit
65W Desktop Power Adaptor	GWS-AP65-52	Desktop 65W single set of output power adapter Input Voltage:AC 100V~240V 50-60Hz,1.1A Output Voltage:DC 52V 1.25A Operation Temperature:-20℃—+65℃	PC
110W Desktop	GWS-AP110-52	Desktop 110W single set of output power	PC

Power Adaptor		adapter Input Voltage:AC 100V~240V 50-60Hz,2.0A Output Voltage:DC 52V 2.0A Operation Temperature:-20℃—+65℃	
60W DIN Rail Industrial Power Supply	GWS-DP60-48	Din Rail 60W single set of output power supply Input Voltage:AC 100V~240V 50-60Hz,1A Output Voltage:DC 48V 1.25A Operation Temperature:-40℃—+70℃	PC
120W DIN Rail Industrial Power Supply	GWS-DP120-48	Din Rail 120W single set of output power supply Input Voltage:AC 100V~240V 50-60Hz,1.5A Output Voltage:DC 48V 2.5A Operation Temperature:-40℃—+70℃	PC

RELATED PRODUCT

Model	Description
ONV-IPS33021PF	Unmanaged industrial PoE fiber switch with 1*10/100/1000M RJ45 port and 1*1000M SFP slot port. Port 1 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33032PF	Unmanaged industrial PoE fiber switch with 2*10/100/1000M RJ45 ports and 1*1000M SFP slot port. Port 1-2 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33042PF	Unmanaged industrial PoE fiber switch with 2*10/100/1000M RJ45 ports and 2*1000M SFP slot ports. Port 1-2 can support IEEE802.3af/at PoE standard. Support DC dual power supply input and DIN rail mounting.
ONV-IPS33064PF	Unmanaged industrial PoE fiber switch with 4*10/100/1000M RJ45 ports

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	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-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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