Product Datasheet

6-port Full Gigabit bt Industrial PoE Switch
(ONV-IPS33064P-bt)

OVERVIEW

The ONV-IPS33064P-bt is a full gigabit unmanaged bt industrial PoE switch independently developed by ONV. It has 6*10/100/1000M RJ45 ports. Port 1-4 can support 71W PoE super high power output and backward compatible with the IEEE802.3af/at PoE standard. Single-port PoE power output is 90W. 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 provides stable and safe terminals for PTZ network domes, high-power wireless AP, high-power multimedia speakers, and high-power POE lighting, etc. through a network cable to meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy, industrial scenes such as construction set up a cost-effective and stable communication network.

Unmanaged model, plug and play, no configuration, easy to use.

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FEATURE

■ **Gigabit full-line speed forwarding**

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

◇ Gigabit RJ45 ports and dual RJ45 ports combination, high-speed high-bandwidth connection, to meet the networking needs of various scenarios.

■ **Smart PoE power supply function**

◇ 4*10/100/1000Base-T RJ45 ports can support bt PoE power, meeting the demand for super high power PoE power supply in various scenarios.

◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

◇ The maximum output power of single-port POE is 90W, and the backwards compatibility IEEE802.3af/at PoE power supply standard automatically identifies PoE devices for power supply without damaging non-PoE devices.

■ **Stable and reliable**

◇ CCC,CE, FCC, RoHS.

◇ Low power consumption, aluminum alloy casing, No fan.

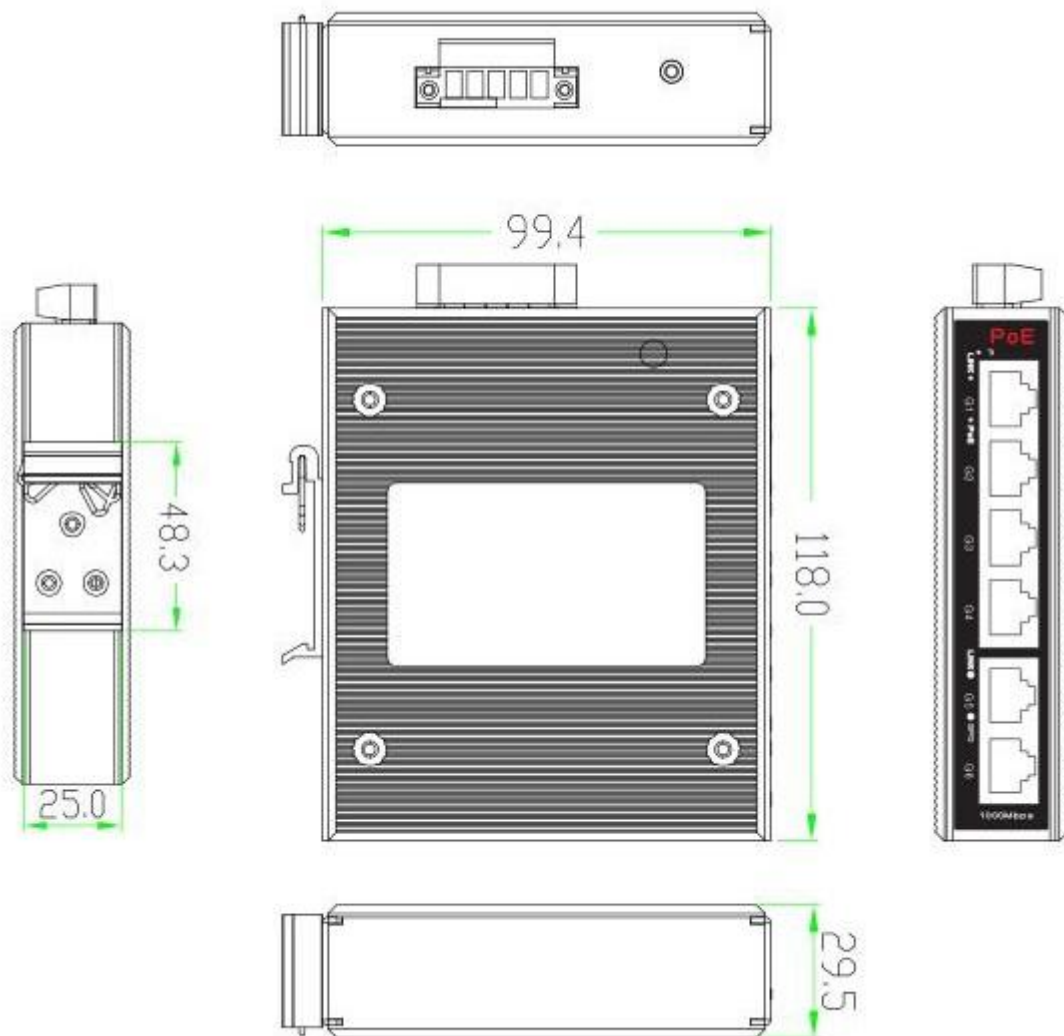◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link, PoE.

TECHNICAL SPECIFICATION

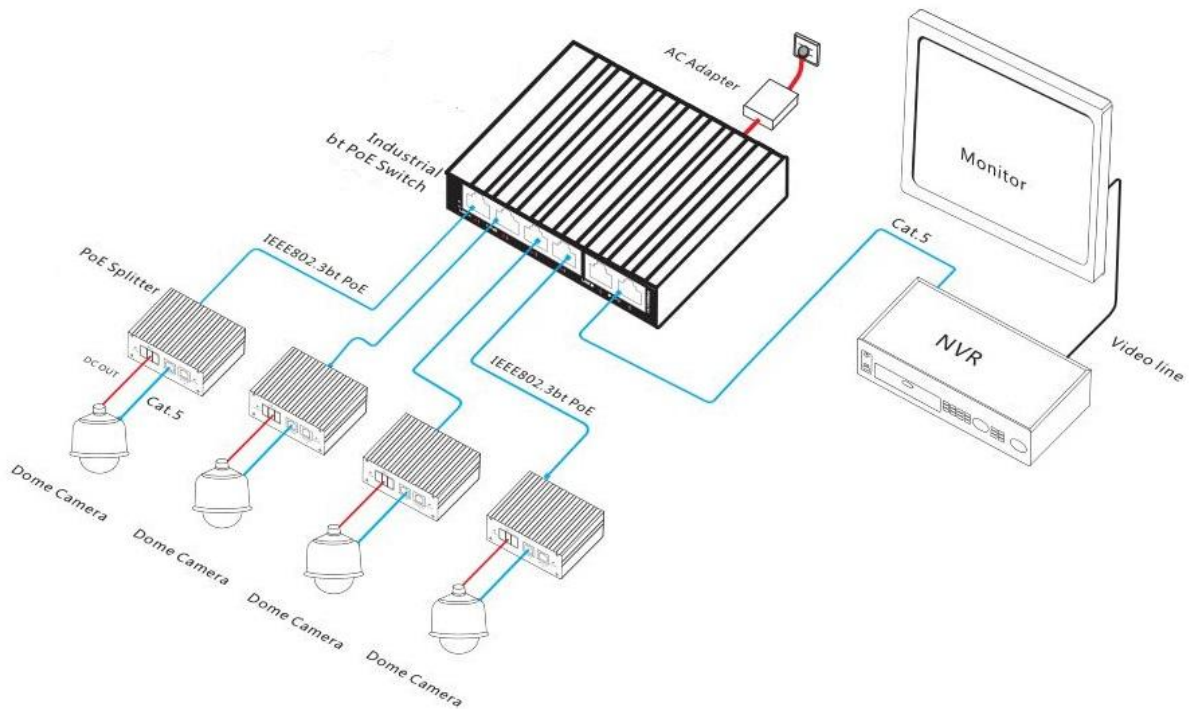| Model	ONV-IPS33064P-bt
Interface Characteristics	
Fixed Port	4*10/100/1000M bt PoE ports (Data /Power) 2*10/100/1000M uplink RJ45 ports (Data) 2 groud of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	10/100/1000Base-TX auto-sensing,full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3u 1000Base-T, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	12Gbps (Non-blocking)
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)
PoE & Power Supply	
PoE Port	Port 1 to 4 @bt PoE and backward compatible with IEEE802.3af/at
Power Supply Pin	1/2(+)3/6(-) 4/5(+)7/8(-)
Max Power Per Port	90W, IEEE802.3af/at/bt
Power Consumption	Standby<6W, Full Load<240W
Input Voltage /	DC48-57V, 5P industrial phoenix terminal, anti-reverse protection

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Interface	
Power Supply	No, optional 48V/240W industrial power supply
Physical Parameter	
Operation TEMP / Humidity	-20~+80°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C, 5%~95% RH Non condensing
Dimension (L*W*H)	119*100*30mm
Net /Gross Weight	<0.5kg /<1.0kg
Installation	Desktop, 35mm DIN rail mounting
Certification & Warranty	
Lightning Protection	Lightning protection: 6KV 8/20us, Protection level: IP30
	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 B
	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,

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	RoHS
Warranty	5 years, lifelong maintenance.

DIMENSION

APPLICATION

ORDERING INFORMATION

Model	Description	Recommended Power Supply
ONV-IPS33064P-bt	Unmanaged bt industrial PoE switch with 6*10/100/1000M RJ45 ports. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.	240W

Note: Industrial PoE switches do not include SFP optical modules and power supplies by default.

PACKING LIST

Packing List	Content	Qty	Unit
	6-port full gigabit bt industrial PoE switch	1	SET
	User Guide	1	PC
	Warranty Card	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: AC 100V~240V 50-60Hz,2A Output Voltage: DC 48V 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:AC 100V~240V 50-60Hz,3.0A Output Voltage:DC 48V 5.0A Operation Temperature:-40℃ to +70℃	PC
480W DIN Rail Industrial Power Supply	GWS-DP480-48	Din Rail 480W single set of output power supply Input Voltage: AC 100V~240V 50-60Hz,5.0 A Output Voltage: DC 48V 10A Operation Temperature:-40℃ to+70℃	PC

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RELATED PRODUCT

Model	Description
ONV-IPS31004PF-bt	Unmanaged bt industrial PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.
ONV-IPS31064P-bt	Unmanaged bt industrial PoE switch with 6*10/100M RJ45 ports. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.
ONV-IPS31064PF-bt	Unmanaged bt industrial PoE fiber switch with 4*10/100M RJ45 ports and 2*155M uplink SFP ports. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.
ONV-IPS33064PF-bt	Unmanaged bt industrial PoE fiber switch with 4*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.
ONV-IPS33064PFG-bt	Unmanaged bt industrial PoE fiber switch with 4*10/100/1000M RJ45 ports and 1*10/100/1000M RJ45 port and 1*1000M SFP port. Port 1-4 can support 71W super high power out and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.
ONV-IPS33064PFM-bt	L2+ managed bt industrial PoE switch with 4*10/100/1000M RJ45 ports and 2*100/1000M uplink SFP ports. Port 1- 4 @bt PoE and backward compatible with IEEE802.3af/at PoE standard. It can support dual DC power input and DIN rail mounting.

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CONTACT US

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