Product Datasheet

18-port Full Gigabit bt PoE Fiber Switch
(ONV-POE33016PF-bt)

OVERVIEW

The ONV-POE33016PF-bt is a gigabit bt PoE fiber switch independently developed by ONV. It has 16*10/100/1000Base-T adaptive RJ45 ports and 2*1000M uplink SFP slot ports. Port 1-16 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. Single-port max output power 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 network multimedia speakers, high-power POE lighting, etc. through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitories, and small and medium-sized enterprises. Unmanaged model, plug and play, no configuration, easy to use.

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FEATURE

■ **Full gigabit access**

◇ Support non-blocking wire-speed forwarding.

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

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

■ **Smart PoE power supply**

◇ 16*10/100/1000Base-T RJ45 ports can support bt PoE power, meeting the demand for super high power PoE power 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 max output power of single-port PoE is 90W and the backward compatibility IEEE 802.3 af/at PoE standard automatically identifies PoE devices for power supply without damaging non-PoE devices.
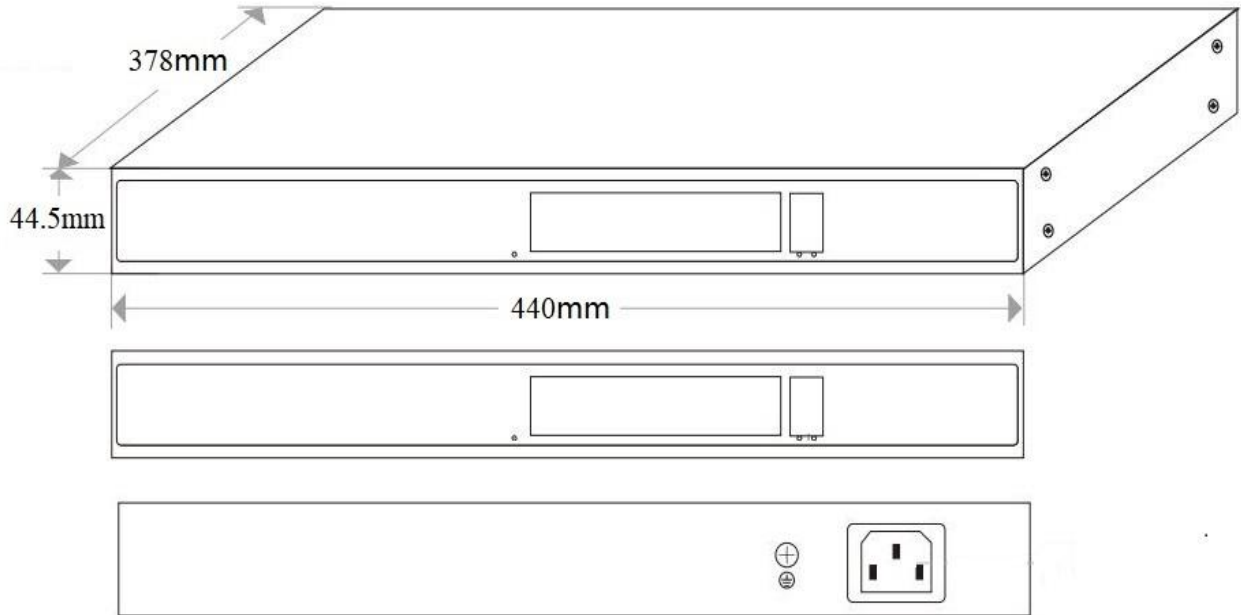
■ **Stable and reliable**

◇ CCC, CE, FCC, RoHS.

◇ Plug and play, no configuration, simple and convenient.

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

◇ Low power consumption, galvanized steel casing, excellent heat dissipation to ensure stable operation of the switch.

◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
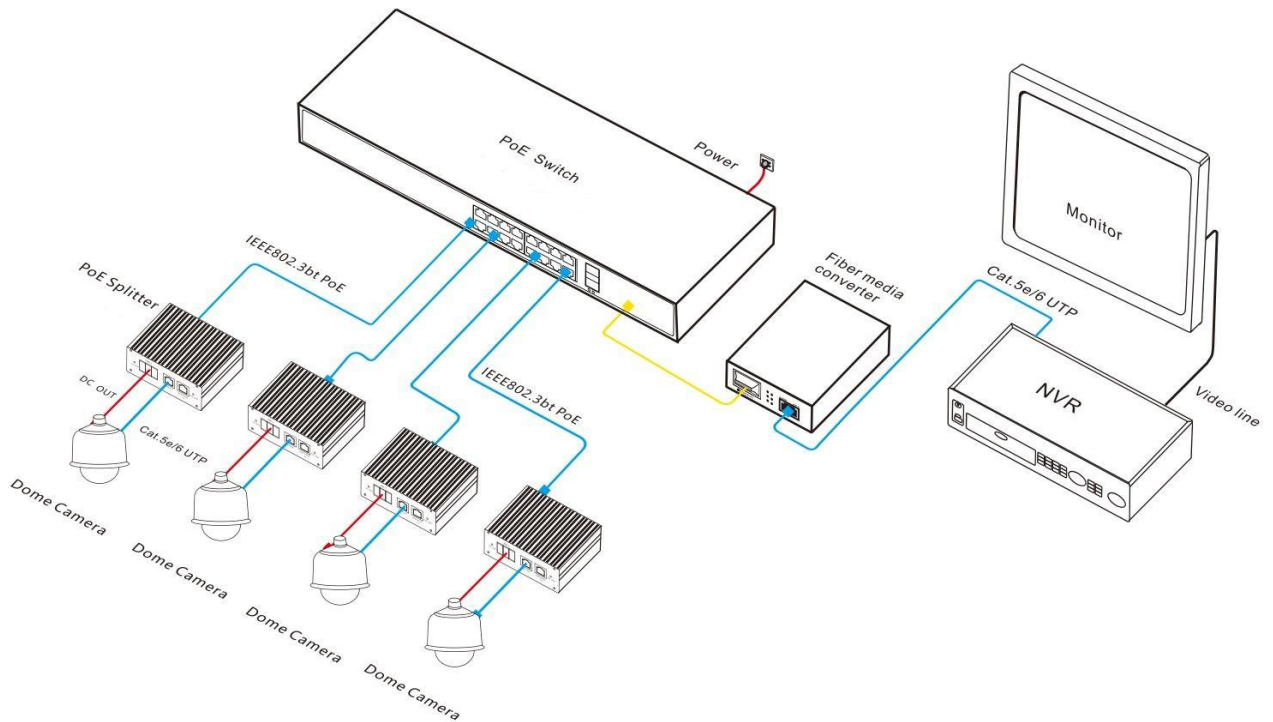
TECHNICAL SPECIFICATION

Model	ONV-POE33016PF-bt
Interface Characteristics	
Fixed Port	2*1000M uplink SFP ports (Data) 16*10/100/1000M bt PoE ports (Data /Power)
Ethernet Port	Port 1-8 can support 10/100/1000Base-T(X) 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)
SFP Slot Port	Gigabit SFP optical fiber port, default no include optical modules (optional single-mode / multi-mode, single fiber/ dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-500m, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km.
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3u 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	52Gbps (Non-blocking)
Forwarding Rate@64byte	26.78Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), SFP port: L/A(Green)
PoE & Power Supply	
PoE Port	Port 1 to 16 can support bt PoE output and are backward compatible with

	IEEE 802.3 af/at PoE standard
Power Supply Pin	1/2(+)3/6(-) 4/5(+)7/8(-)
Max Power Per Port	90W, IEEE 802.3 af/at/bt
Total PWR / Input Voltage	1200W/(AC100-240V)
Power Consumption	Standby<25W, Full Load<1200W
Power Supply	Built-in power supply, AC100-240V 50-60Hz 6.6A x 2
Physical Parameter	
Operation TEMP / Humidity	-20°C~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40°C~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	440*378*44.5mm
Net /Gross Weight	<5.0kg /<5.8kg
Installation	Desktop,1U/19-inch cabinet mount
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

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DIMENSION

378mm

44.5mm

440mm

APPLICATION

ORDERING INFORMATION

Model	Description	Configure Power Supply
ONV-POE33016PF-bt	Unmanaged bt PoE switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports. Port 1-16 support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. Built-in power supply and support 1U rack mount.	1200W

Note: The optical module is not included, and needs to be purchased separately.

PACKING LIST

	Content	Qty	Unit
Packing List	18-port full gigabit bt PoE fiber switch	1	SET
	AC Power Cable	1	SET
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630	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	SFP optical module, 1.25G, single-mode dual fiber 1310nm,	PC

		transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	
	2612-T	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	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-SC	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-SC	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

RELATED PRODUCT

Model	Description
ONV-POE31004PF-bt	Unmanaged bt PoE fiber switch with 4*10/100M RJ45 ports and 1*155M uplink SC port. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE31064P-bt	Unmanaged bt PoEswitch with 6*10/100M RJ45 ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064P-bt	Unmanaged bt PoE fiber switch with 6*10/100/1000M RJ45 ports.

	Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064PF-bt	Unmanaged bt PoE fiber switch with 4*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33064PFG-bt	Unmanaged bt PoE fiber switch with 5*10/100/1000M RJ45 ports and 1*1000M uplink SFP ports. Port 1-4 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. External 250W power supply.
ONV-POE33108PFG-bt	Unmanaged bt PoE switch with 9*10/100/1000M RJ45 ports and 1*1000M uplink SFP port. Port 1-8 can support bt PoE output and are backward compatible with IEEE 802.3 af/at PoE standard. Built-in 600W power supply and support 1U rack mount.

CONTACT US

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