

Product Datasheet

18-port Gigabit Uplink PoE Switch

(ONV-H1016PLS)



OVERVIEW

The ONV-H1016PLS is a gigabit uplink PoE switch independently developed by ONV. It has 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support PoE+ power supply, and 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 equipment such as wireless AP, IP camera, VoIP phone, video access control intercom, etc. through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economy-efficient network. Unmanaged mode, plug, and play, no configuration, easy to use.

FEATURE

■ 10/100M access, Gigabit RJ45 uplink

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

- ◇ Provides 16*10/100M PoE ports and 2*10/100/1000M RJ45 ports for flexible networking and meets the networking requirements of various scenarios.

■ Smart PoE power supply

- ◇ 16*10/100Base-TX 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 power budget is insufficient and avoid overwork of the device.
- ◇ Comply with PoE+ power standard, automatically identify PoE devices for power without damaging non-PoE devices, and the single port max PoE output power is 30W.

■ Stable and reliable, easy to use

- ◇ CCC, CE, FCC, RoHS.
- ◇ Support desktop and 1U/19-inch cabinet installation.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- ◇ With function switch(250m), when it opened, Port 9-16 support 10M/250 meters transmission.
- ◇ Self-developed power supply, high redundancy design, providing a long-term and stable PoE power output.
- ◇ Low power consumption, with fan, galvanized steel casing, excellent heat dissipation to ensure the stable operation of the switch.

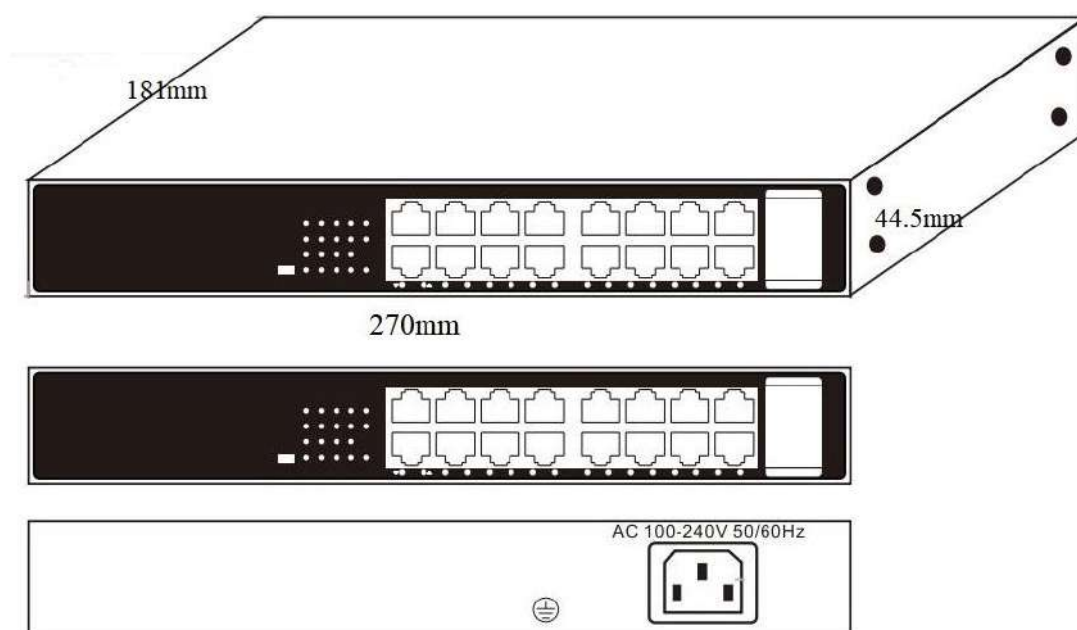
TECHNICAL SPECIFICATION

Model	ONV-H1016PLS	ONV-H1016PLS-250
Interface Characteristics		
Fixed Port	16*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data)	
Ethernet Port	Port 1-16 support 10/100Base-TX and port 17-18 support 10/100/1000Base-T(X)	

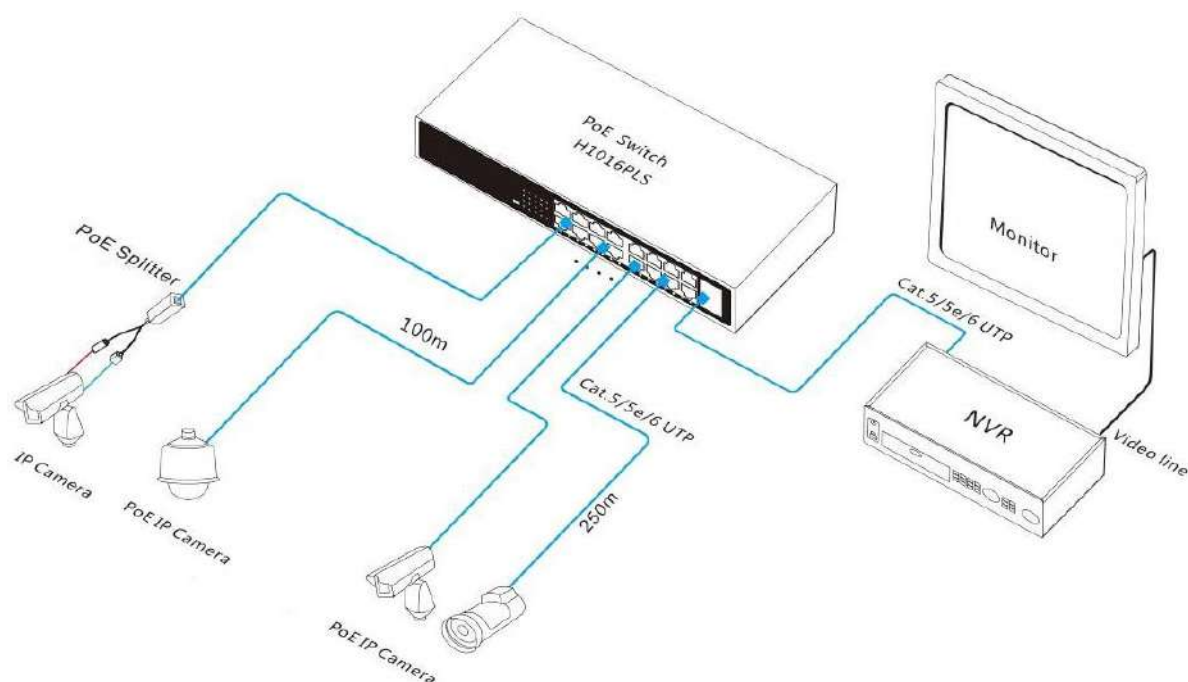
	auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)	
Functional Switch	100m/ 250m function switch default is off	
	When 100m turned on, 100 meters transmission.	
	When 250m turned on, port 9-16 support 10M 250 meters transmission	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	14.8Gbps (Non-blocking)	
Forwarding Rate@64byte	5.36Mpps	
MAC	16K	
Buffer Memory	4M	
Jumbo Frame	10K	
LED Indicator	Power: PWR (Green), Network: Link(Green), PoE: PoE (Green)	
PoE & Power Supply		
PoE Port	Port 1-16	
Power Supply Pin	1/2(+) 3/6(-)	
Max Power Per Port	30W, PoE+	
Total PWR / Input Voltage	160W (AC100-240V)	250W (AC100-240V)
Power Consumption	Standby<15W, Full load <160W	Standby<15W, Full load <250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 3.0A	Built-in power supply, AC100~240V 50-60Hz, 4.1A
Physical Parameter		
Operation TEMP /	-20~+55°C, 5%~90% RH Non condensing	

Humidity		
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	270*181*44.5mm	
Net /Gross Weight	1.3kg / 1.75kg	1.55kg / 2.05kg
Installation	Desktop, Wall mounted, 1U 19” Rack mounted	
Certification & Warranty		
Lightning Protection	Port lightning protection: 4KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Warranty	1 year, lifelong maintenance.	

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H1016PLS	Unmanaged PoE switch with 16*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support PoE+ power supply. Adjust	160W
ONV-H1016PLS-250	function switch 250m, port 9-16 support 10M/250 meters transmission.	250W

PACKING LIST

Packing List	Content	Qty	Unit
	18-port gigabit uplink PoE switch	1	SET
	AC power line	1	PC
	Mounting Kits (hanging ears)	1	SET
	User guide	1	PC
	Warranty card	1	PC

CONTACT US



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