

Product Datasheet

18-port Gigabit Uplink PoE Switch

(H1016PLS)



OVERVIEW

The H1016PLS is a gigabit uplink unmanaged PoE switch. It has 16*10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 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 equipment such as wireless AP, webcam, 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.

■ Intelligent PoE power supply

- ◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ 16*10/100Base-TX RJ45 ports meet 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.

■ Stable and reliable, easy to use

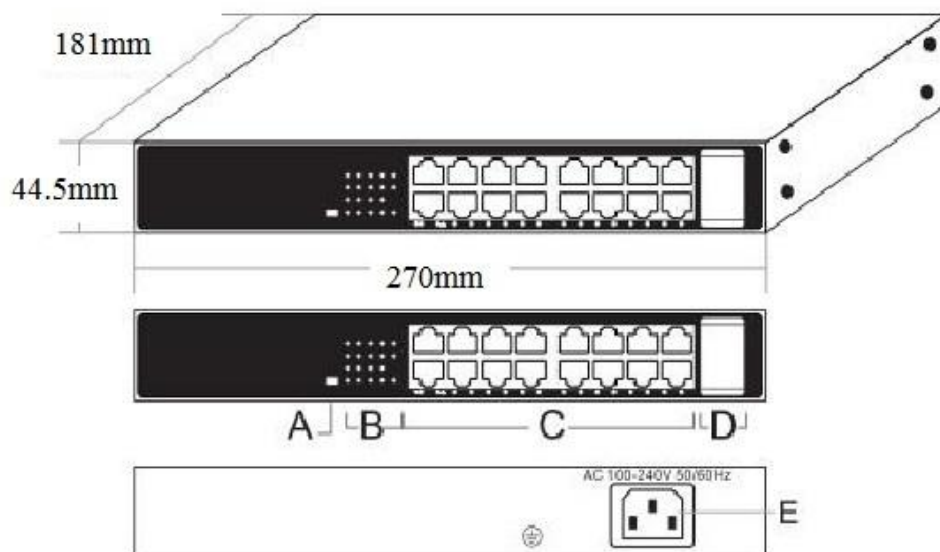
- ◇ CCC,CE, FCC, RoHS.
- ◇ Support desktop and 1U-19 inch cabinet installation.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ Low power consumption, fan active cooling, galvanized steel casing.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR,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

TECHNICAL SPECIFICATION

Model	H1016PLS
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 can support 10/100/1000Base-T(X) auto-detection, full/half-duplex MDI/MDI-X auto-sensing
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤250 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
Functional Switch	100m&250m function switch. The default is OFF
	When 100m turned on, the default is 100m transmission.
	When 250m turned on port 9-16 support 10M/250m long-distance 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	

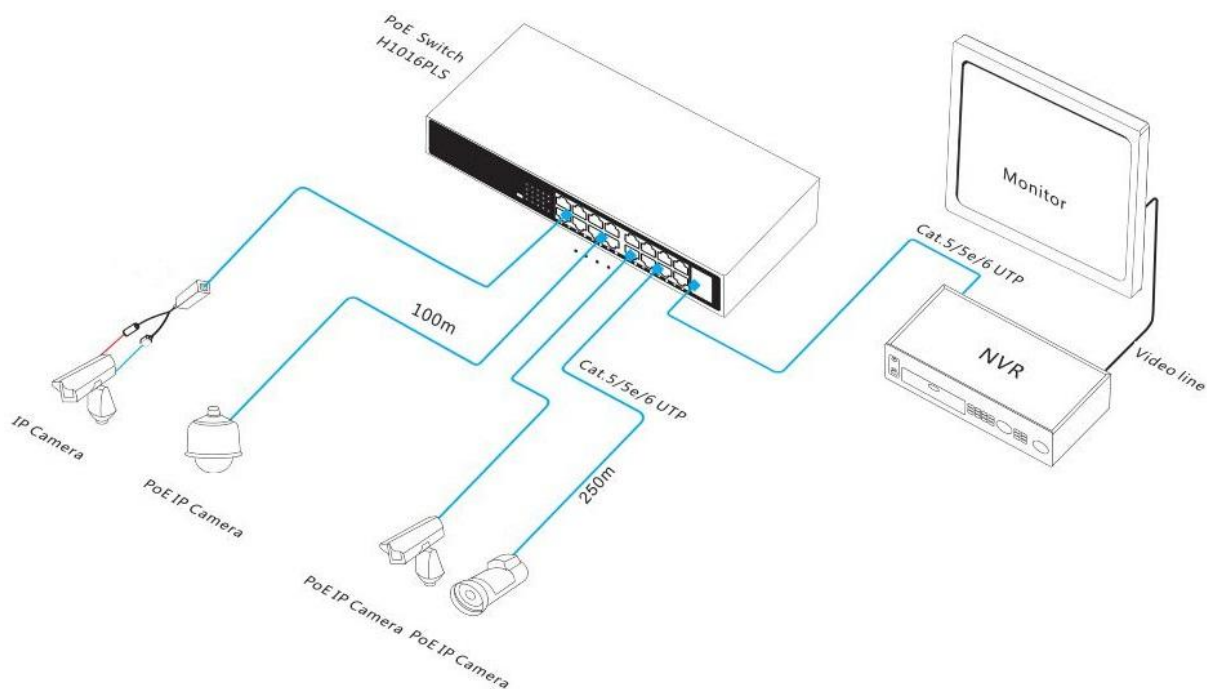
PoE Port	Port 1 to 16 IEEE802.3af/at
Power Supply Pin	Default 1/2(+) 3/6(-) 2-pairs power supply
Max Power Per Port	30W, IEEE802.3af/at
Total PWR / Input Voltage	160W (AC100-240V)
Power Consumption	Standby<15W, Full load <160W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 3.0A
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing
Dimension (L*W*H)	270*181*44.5mm
Net /Gross Weight	<1.7kg / <2.2kg
Installation	Desktop, Wall-mounted, 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



- A. Multi-functional switch
- B. Working indicator
- C. 16*10/100M PoE ports
- D. 2*10/100/1000M uplink RJ45 ports
- E. Power input port AC100-240,50/60Hz

APPLICATION



ORDERING INFORMATION

Model	Description	Built-in Power Supply
H1016PLS	Unmanaged PoE switch with 16* 10/100M PoE ports and 2*10/100/1000M uplink RJ45 ports. Port 1-16 can support IEEE802.3af/at PoE standard. Adjust function switch, Port 9-16 can support 10M/250m long distance transmission.	160W

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