JHA-P422016BHGW Series

20-port Full Gigabit Unmanaged PoE Switch , 16*10/100/1000M PoE ports and

2*10/100/1000M Uplink RJ45 port and 2*10/100/1000M SFP Port

Features

■   **Full gigabit access**

◇ Support non-blocking wire-speed forwarding.

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

◇ Support gigabit Ethernet port and gigabit SFP fiber port combination, which enables users to

flexibly build networking to meet the needs of various scenarios.

■   **Intelligent PoE power supply**

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

◇ 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.

◇ 16*10/100/1000Base-T RJ45 ports can support POE power to meet the needs of security

monitoring, teleconferencing system, wireless coverage, and other scenarios.

■ **Stable and reliable**

◇ CCC, CE, FCC, RoHS.

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

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

◇ Low power consumption, galvanized steel shell, with fan super heat dissipation to ensure stable operation of the product.

Introduction

The JHA-P422016BHGW is a full gigabit unmanaged PoE fiber switch. It has 18*10/100/1000M adaptive RJ45 ports and 2*1000M SFP slot ports. Port 1-16 can support IEEE802.3af/at PoE standard. Single-port PoE power reaches 30W, and the maximum PoE output power is 250W (at-400W). 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, building visual access control intercom, etc. through network cable, to meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprise. Unmanaged model, plug and play, no configuration, easy to use.
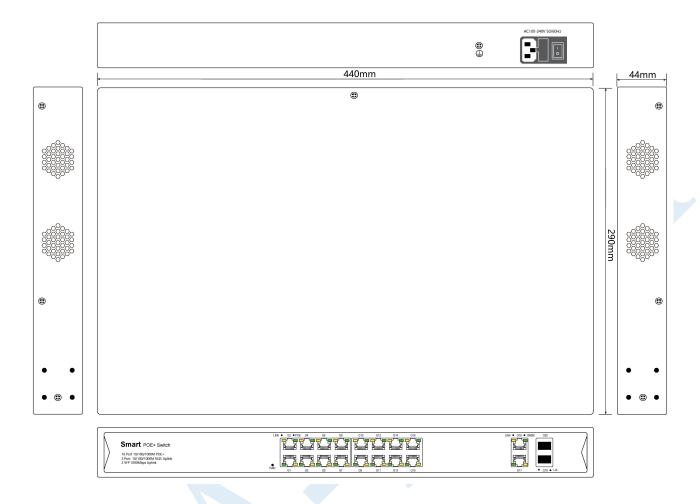
Specification

Model	JHA-P422016BHGW	JHA-P422016BTHGW
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T PoE ports (Data /Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP slot ports (Data)	
Ethernet Port	Port 1-16 can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X	
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 order 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 IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	56Gbps (Non-blocking)	
Forwarding Rate@64byte	29.76Mpps	
MAC	8K	
Buffer Memory	4M	
Jumbo Frame	9.6K	
LED Indicator	Power: PWR (Green), Network: Link, Link/Act (Yellow),	

	PoE: PoE(Green), Fiber port: L/A (Green), Speed: SPD(Green)	
Reset Switch	Yes, One-button factory reset	
PoE & Power Supply		
PoE Port	Port 1 to 16	
Power Supply Pin	1/2(+) 3/6(-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	250W (AC100-240V)	400W (AC100-240V)
Power Consumption	Standby<15W, Full Load<240W	Standby<16W, Full Load<380W
Power Supply	Built-in power supply AC100~240V 50-60Hz 4.1A	Built-in power supply AC100~240V 50-60Hz 5.0A
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)	440*290*44.5mm	
Net /Gross Weight	<3.3kg /<4.0kg	<3.6kg /<4.5kg
Installation	Desktop, wall-mount, 19" 1U rack-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	1 years, lifelong maintenance.	

Dimension

Ordering Information

Model	Description	Built-in Power Supply
JHA-P422016B HGW	Unmanaged PoE fiber switch with 18*10/100/1000M RJ45 ports and 2*1000M uplink SFP ports. Port 1-16 can support IEEE802.3af/at PoE standard. Support 19" 1U rack-mount installation.	250W
JHA-P422016BT HGW		400W
Note: The SFP optical module is not included by default and needs to be purchased separately.		

Packing List

Content	Qty	Unit
Packing List		
20-port full gigabit unmanned PoE fiber switch	1	SET
AC power cable	1	PC
Mounting Kits(Hanging Ear)	1	SET
User Guide	1	PC
Warranty Card	1	PC

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