

JHA-GS22 Series

4-port Gigabit Fiber Ethernet Switch, 2-port 1000Base-X SFP Slot and 2-port 10/100/1000Base-T(X)

Introduction



JHA-GS22 series is a 10/100/1000M self-adaptive Fast Ethernet fiber switch, with 2 1000M Fiber ports and 2 10/100/1000Base-TX self-adaptive Ethernet RJ45 interfaces.

The product design conforms to the Ethernet standard, adds lightning protection and anti-static protection measures, and has a wide range of operating temperature from -20°C to 70°C, with stable and reliable performance.

The device can be widely used in various broadband data transmission fields, such as smart buildings, smart cities, smart communities, smart transportation, telecommunications, security, financial securities, customs, shipping, electricity, water conservancy and oil fields.

Features

- Compliance with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1Q, 100BASE-TX, 100BASE-TX, 100Base-FX standards.
- It supports TCP / IP, PPPOE, DHCP, ICMP, NAT protocol.
- Flow control: Full duplex using IEEE 802.3X, a standard half-duplex adopt Backpressure.
- Electrical ports support auto-negotiation function, automatically adjusts the transmission and transfer rates.
- Ports support Auto-MDI / MDIX auto-flip.
- Support store and forward mode.
- Supports 10M, 100M, 1000M mode or adaptive mode.
- Provide status indicators, external power supply (output 5V ~ 50HZ 2A).
- The card design, to facilitate future maintenance and inspection equipment.

- Modular power supply design, function board with separate power supply design, easy to post-maintenance.
- Unique IC solutions, the chip temperature low, to get rid of plus cooling system, flow control and reduce broadcast storms.
- High-quality integrated photovoltaic module provides good optical properties and electrical properties to ensure reliable transmission, long life.
- Operating Mechanism broadcast filtering, address auto-learning and auto-update feature and store and forward.
- It supports up to 1916 byte long data packet transmission.
- Missing link to provide remote diagnostics, electrical interface and optical port link connection diagnostics, dynamic data transmission, full-duplex / half duplex, speed light, easy installation and later maintenance.
- Ultra-low power consumption of less than 2.5W (Input: AC140 ~ 260V), low heat, stable operation for a long time.

Specification

Fixed Port	2*10/100/1000Base TX+2*1000Base FX
Power interface	PoE: DC Connector (2.1 mm) Non PoE: DC Connector (2.5 mm)
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Cat5 100m Multimode, Single/Dual-fiber 2Km Single Mode, Single-fiber 20/40/60/80/100Km Single Mode, Dual-fiber 20/40/60/80/100/120Km
Ethernet Port	10/100M RJ45 Ports, Connection STP / UTP Cat5/Cat5e Cooper Cable
Fiber Port	Multimode, Dual-fiber SC/ST/FC (Diameter 50/125, 62.5 / 125μm) Single Mode, Single Fiber, SC/ST/FC (Diameter 9/125μm) Single Mode, Dual-fiber SC/FC (diameter 9/125μm)
PoE Function (Optional)	PoE port:1-2 PoE Protocol:802.3af, 802.3at PoE Pin Assignment:1/2+, 3/6- (802.3af, 802.3at) PoE Port Power:802.3af: 15.4W 802.3at: 30W PoE Short Protect:Support

Exchange Attribute	Conversion Method: Media conversion, store and forward / straight in MAC Add: 1 K Switching capacity:1G Full duplex state: flow control, half-duplex: backpressure mode Store and Forward: 9.6us, Straight In: 0.9us BER: <1/1000000000
Network Topology	Ring topology:Not Support Star topology:Support Bus topology:Support Tree Topology:Support
LED Indicator	P:Power Supply M:PoE Type:when the load power over 90% of the total power the red light is always on and alarm Non-PoE Type:he chip is read and written abnormally, and the red light is always on. 5:Link/act link status indicator for port 5 N:No function indication, this light is always off
Power Supply	Power Input: DC5V2A Full Load: <2.5 W
Working Environment	Operating Temperature: -20~70°C Storage Temperature: -40~70°C Storage Humidity: 5% to 90% non-condensing
Dimension	140*88*28mm (L * W * H)

Order Information

Model No.	Description of Goods
JHA-GS22	2 1000Base-X and 2 10/100/1000Base-T(X) RJ45 Port, LC Connector
Fiber Connector: SC/ST/FC/LC(SFP Slot), Single Mode/Multimode, Dual Fiber/Single Fiber, 550m/20Km/40Km/60Km/80Km/100Km/120Km is Optional.	