

JHA-IF14WH-IP66 Series

IP66 Waterproof Unmanaged Industrial Ethernet Switch, with 1 100Base-FX
Fiber Port and 4 10/100Base-T(X) Ethernet Port



Features

- Support 4 100M Ethernet ports and 1 100M optical port, the port supports auto-flip (Auto MDI/MDI-X)
- Support full-duplex and half-duplex auto-negotiation.
- All ports have full wire-speed forwarding capability to ensure non-blocking message forwarding.
- Complies with IEEE802.3/802.3u/802.3z/802.3x store-and-forward method.

- DC9~48V power supply
- Support -20 ~ 85 °C temperature range of full-load operation
- IP66 protection level, ABS + aluminium chassis cooling surface design, no fan, no cooling holes
- Passed the inspection report of Ministry of Public Security, CCC, FCC, CE, RoHS.
- Support PoE expansion, IEEE802.3af: maximum power 15.4W, IEEE802.3at: maximum power 30W.

Introduction

JHA-IF14WH-IP66 series is a waterproof industrial switch, which realises the conversion between the electrical and optical interfaces of Ethernet, and is configured with 4 10/100M Ethernet electrical ports and 1 100M optical port. It is used in underground comprehensive pipeline corridor, offshore drilling platform, high humidity and salt spray seashore, tunnel and other industrial sites. The optical port extends the Ethernet transmission distance from 100m on copper cable to 550m (multi-mode fibre) or 100km (single-mode fibre). The device adopts wall-mounted ABS + aluminium profile heat dissipation chassis, DC power input, IP66 protection level, -20 ~ +85 °C wide operating temperature, to ensure long-term stability, reliability and safe use in a variety of harsh environments (such as high temperature, low temperature, dust, electromagnetic interference, etc.). Suitable for road traffic control automation, rail transit, electric power automation, coal mine automation, wind energy, wind power, metallurgy and steel mills, oil and gas, building automation system, oil field control automation, hydropower station control automation, server room monitoring system, water monitoring, environmental monitoring, urban underground comprehensive pipeline corridor and other industrial control automation places and other industrial control needs of high performance, high reliability of the network environment.

Specification

Protocol Standard	
Ethernet protocol	IEEE802.3 (Ethernet), IEEE802.3u (100Base-TX and 100Base-FX), IEEE802.3x (Flow control)
Connector	
Fast Fiber Port	Quantity: 1; Interface: fixed fiber port (default SC connector, single mode / multimode optional); Interface rate: 100Base-X;
Fast Ethernet Port	Quantity: 4; Interface: RJ 45 ethernet port; Interface rate: 10 / 100M adaptive port;
Power Interface	Waterproof power interface
Transmission Distance	
Twisted-pair	100m (standard CAT 5 / CAT 5 e cable)
Fibre-optical	Multi-mode fiber: 550m; single-mode fiber: 20 / 40 / 60 / 80 / 100km;
Switching characteristics	
Transmission mode	Storage and forwarding (full-line speed)
Backboard bandwidth	1.6Gbps
Package forwarding rate	448K
Mac address list	1K, automatic learning
Power Features	
Input voltage	DC9~48V
Full of power consumption	<5W
Wiring Method	Waterproof power interface
Overload protection	Support
Anti-connection protection	Support
Supporting power supply	No, the adapter should be purchased separately
Work environment	
working temperature	-20~85℃
Storage temperature	-40~85℃
relative humidity	5%~95% (no condensation)
Mechanical properties	
Shellcase	ABS + aluminum alloy radiator case (fanless design)
Levels of protection	IP66
Way to install	wall-mount type
Size	L * W * H: 195110 75(mm)

Weight	455g
Industry standard	
EMI	FCC CFR47 Part 15, EN55022/CISPR22, Class A
EMS	EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4 EN61000-4-5 (Surge), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-8, Level 5
Under attack	GB/T2423.5-1995
Free-fall	GB/T2423.5-1995
Strongly affect	GB/T21563-2008/IEC61373: 1999
Product certification and quality assurance	
Product certification	CE; FCC; ROHS ISO9001; ISO45001; ISO14001
Warranty	3 years, lifetime maintenance;

Dimension



Order Information

Model No.	Description of Goods
JHA-IF14WH-IP66	Unmanaged Industrial Ethernet Switch,1 100Base-FX and 4 10/100Base-T(X), SC Connector, Single Mode, Single Fiber, 20Km, DC9-48V, (PoE optional)
JHA-IF05H-IP66	Unmanaged Industrial Ethernet Switch,5 10/100Base-T(X), DC9-48V, (PoE optional)