Shenzhen JHA Technology Co., Ltd
Tel: (86) 755 8148 3343 Fax: (86) 755 8148 3341

JHA-F11 Series

2-port Fiber Media Converter, Dual Fiber, 1-port 100Base-FX and 1-port 10/100Base-T(X)

Introduction

JHA-F11 series is a dual fiber media converter complies with IEEE802.3 standards, It is designed to convert data signal between 100Base-FX and 10/100Base-T(X) fast Ethernet.

The media converter is connected between fiber cable and twisted cable, extend your Ethernet network beyond the 100-meter limit imposed by copper cable.

This converter model can be used as slide-in module to the 14-slot 19" Rack-Mount Chassis.

Converter is transparent to all protocols, can be used all all areas as Fiber to The Home, Fiber to the Business or Fiber to The Curb.

Features

- Compliance with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1Q, 10Base-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 mode or adaptive mode.
- Provide status indicators, external power supply (output 5V ~ 50HZ 1A).
- 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.

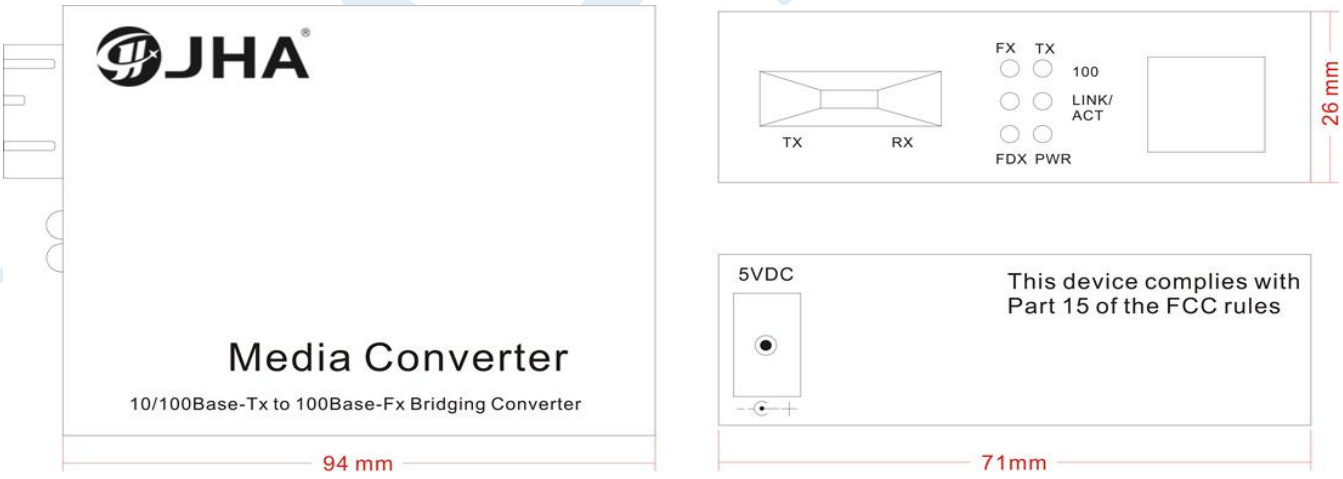
■Operating Mechanism broadcast filtering, address auto-learning and auto-update feature and store and forward.

■It supports up to 1916 byte long data packet transmission.

■Missing link to provide remote diagnostics, electrical interface and optical port link 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.

Dimension



E-mail: info@jha-tech.com *http://www.jha-tech.com*

Specification

Protocol Standard	IEEE802.3, IEEE802.3u, IEEE802.3x Flow control, IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Cat5 100m Multimode, Dual-fiber 2Km Single Mode, Dual-fiber 20/40/60/80/100/120Km
Ethernet Port	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, Dual-fiber SC/FC (diameter 9/125μm)
Exchange Attribute	Conversion Method: Media conversion, store and forward / straight in MAC Add: 1 K Cache: 1 Mbit Full duplex state: flow control, half-duplex: backpressure mode Store and Forward: 9.6us, Straight In: 0.9us BER: <1/1000000000
LED Indicator	PWR(Power Supply) FX LINK/ACT FDX (Ethernet port full / half duplex mode) TX LINK/ACT (Ethernet port communication / action) 100 (100/10M transmission rate) FX (Optical signal)
Power Supply	Power Input: DC5V1A Full Load: <2.5 W
Working Environment	Operating Temperature: -20~70℃ Storage Temperature: -40~70℃ Storage Humidity: 5% to 90% non-condensing
Dimension	94*71*26mm (L * W * H)
Certification	CE, FCC, RoHS
Warranty	3-years

Order Information

Model No.	Description of Goods
JHA-F11	10/100M Multimode, Dual Fiber, 2Km, SC/ST/FC/LC Connector
JHA-F11-20	10/100M Single-mode, Dual Fiber, 20Km, SC/ST/FC/LC Connector
JHA-F11-40	10/100M Single-mode, Dual Fiber, 40Km, SC/ST/FC/LC Connector
JHA-F11-60	10/100M Single-mode, Dual Fiber, 60Km, SC/ST/FC/LC Connector
JHA-F11-80	10/100M Single-mode, Dual Fiber, 80Km, SC/ST/FC/LC Connector
JHA-F11-100	10/100M Single-mode, Dual Fiber, 100Km, SC/ST/FC/LC Connector
JHA-F11-120	10/100M Single-mode, Dual Fiber, 120Km, SC/ST/FC/LC Connector