

# JetCon 1501

## Fast Ethernet Media Converter



- One port compact 10/100 TX to 100FX media converter
- Link-Loss-Forwarding(LLF) far-end fault detection technology
- Compliance with IEEE 802.3/IEEE 802.3u standards/ IEEE 802.3x standards
- Supports 19" 3U 16 slots chassis mounting, Rack-1001/1002



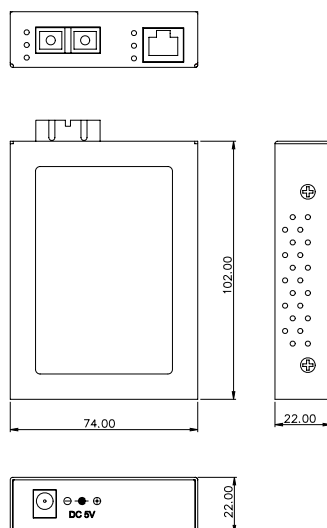
### Overview

The JetCon 1501 Fast Ethernet Media Converter series are designed to convert 10/100Base-TX signals to 100Base-FX signals. They greatly extend the connection range of Ethernet device to transmit & receive data via fiber cable without performance degradation.

JetCon 1501 series are using store-and-forward technology in switching converter mode. They will filter out abnormal packets to keep network performance, supporting the data forwarding

rate up to 148810 pps in full wire speed. The JetCon 1501 series support auto-negotiation & flow control for 10/100Mbps connection. With the Link Loss Forwarding technology, the JetCon1501 can fast detect the broken link on RJ-45 port and force the disconnection on the fiber port immediately. JetCon 1501 also features diagnostic LEDs, which displays power, link, speed and activity, allowing you to quickly detect and correct problems on the network.

### Dimensions (Unit –mm)



## Specification

### Technology

**Standard:**

IEEE802.3 10Base-T  
 IEEE802.3u 100Base-TX  
 IEEE802.3u 100Base-FX  
 IEEE802.3x flow control

### Interface

**Number of Ports:**

1 x 10/100 Base-TX with Auto MDI/MDI-X function,  
 1 x 100BaseFX

**Connectors:**

10/100 Base-TX: RJ-45  
 100Base-FX: SC or ST  
 Power plug

**Cables:**

RJ-45 connector: supports CAT-3,CAT-4,CAT-5 unshielded twisted pair or shielded twisted pair cable. The link distance is maximum 100 meters.

SC connector: supports multi-mode or single-mode optical fiber

ST connector: supports multi-mode or single-mode optical fiber

Multi-mode fiber: 50/125um or 62.5/125um, max. distance 2 KM

Single-mode fiber: 9/125um or 10/125 um, max. distance 30/60/90 KM

**Fiber Transceiver:**

JetCon 1501-m, Multi-mode:2KM max. distance

Wave-length: 1310nm

Maximum TX power: -12dB

Minimum TX power: -22dB

Sensitivity: -31dB

Power Budget: 9dB

Single-mode: 30KM max. distance

Wave-length: 1310nm

Maximum TX power: -5dB

Minimum TX power: -13dB

Sensitivity: -32dB

Power Budget: 19dB

Single-mode: 60KM max. distance

Wave-length: 1310nm

Maximum TX power: 2dB

Minimum TX power: -3dB

Sensitivity: -32dB

Power Budget: 29dB

Single-mode: 90KM max. distance

Wave-length: 1310nm

Maximum TX power: 13dB

Minima TX power: 8dB

Sensitivity: -33dB

Power Budget: 41dB

**Diagnostic LED:**

System: Power

RJ-45 port: Link/Activity, Speed and FDX/Col

Fiber port: Link/Activity & FDX

### Power Requirements

**System Power:** 5V DC 1.4A

**Power Consumption:** 3.4 Watts (Maximum)

### Mechanical

**Installation:** Desktop or chassis mount

**Case:** Sheet metal case

**Dimension:** 102mm(H) x 74mm (W) x 22mm (L) with DIN

**Weight:**

230g without power adapter

### Environmental

**Operating Temperature:** 0 ~60°C

**Operating Humidity:** 10% ~ 90% (non-condensing)

**Storage Temperature:** -20 ~ 70°C

**Storage Humidity:** 5%~ 90% (non-condensing)

### Regulatory Approvals

**EMI:** FCC Class A, CE/EN55022

**Warranty:** 3 years

## Ordering Information

**JetCon 1501C, 10/100Base-TX to 100Base-FX Media Converter with SC connector, Multi-mode 2KM**

**JetCon 1501T, 10/100Base-TX to 100Base-FX Media Converter with ST connector, Multi-mode 2KM**

**JetCon 1501C30, 10/100Base-TX to 100Base-FX Media Converter with SC connector, Single-mode 30KM**

**JetCon 1501T30, 10/100Base-TX to 100Base-FX Media Converter with ST connector, Single-mode 30KM**

**JetCon 1501C60, 10/100Base-TX to 100Base-FX Media Converter with SC connector, Single-mode 60KM**

**JetCon 1501C90, 10/100Base-TX to 100Base-FX Media Converter with SC connector, Single-mode 90KM**

**Rack-1001:Industrial 19" 3U 16 slots Rackmount Chassis with one 60w power supply**

**Rack-1002:Industrial 19" 3U 16 slots Rackmount Chassis with two 60w power supplies**

Includes:

- JetCon 1501
- Quick Installation Guide
- AC-DC Power Adapter