

JetCon 1501

Fast Ethernet Media Converter



CE FC  RoHS

- 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
- JetCon 1501C 10/100Base-TX to 100Base-FX, SC connector, Multi-mode 2KM
- JetCon 1501T 10/100Base-TX to 100Base-FX, ST connector, Multi-mode 2KM
- JetCon 1501C30 10/100Base-TX to 100Base-FX, SC connector, Single-mode 30KM
- JetCon 1501T30 10/100Base-TX to 100Base-FX, ST connector, Single-mode 30KM
- JetCon 1501C60 10/100Base-TX to 100Base-FX, SC connector, Single-mode 60KM
- JetCon 1501C90 10/100Base-TX to 100Base-FX, SC connector, Single-mode 90KM

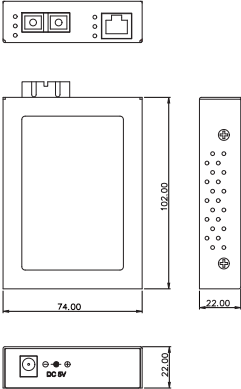
Overview

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 supports 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)



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- Industrial PoE Switch
- IP67/68 Ethernet Switch
- Rackmount Managed Switch
- Gigabit Switch
- Redundant Switch
- Entry-Level Switch
- Networking Computer
- Communication Computer
- Ethernet I/O Server
- Serial Device Server
- Media Converter**
- Multiport Serial Card
- SFP Module
- Din Rail Power Supply

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

Link Power Budget: 9dB

Single-mode: 30KM max. distance

Wave-length: 1310nm

Maximum TX power: -5dB

Minimum TX power: -13dB

Sensitivity: -32dB

Link Power Budget: 19dB

Single-mode: 60KM max. distance

Wave-length: 1310nm

Maximum TX power: 2dB

Minimum TX power: -3dB

Sensitivity: -32dB

Link Power Budget: 29dB

Single-mode: 90KM max. distance

Wave-length: 1310nm

Maximum TX power: 13dB

Minima TX power: 8dB

Sensitivity: -33dB

Link 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