JetCon 3301

Gigabit Ethernet Media Converter

- One port 1000Base-T to Gigabit Fiber media converter
- Link-Loss-Forwarding(LLF) far-end fault detection technology
- Compliance with IEEE 802.3ab/IEEE 802.3z standards
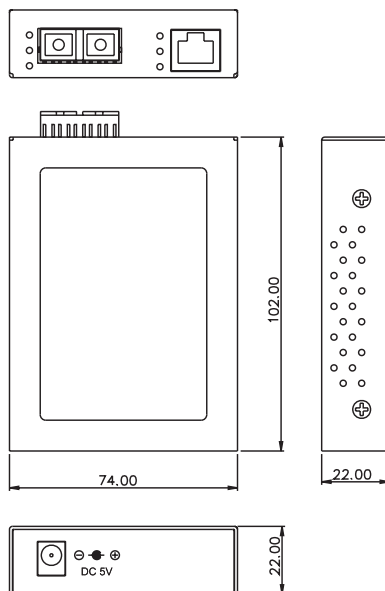- Supports 19" 3U 16 slots chassis mounting, Rack-1001/1002

CE FC RoHS

◥ Overview

The JetCon 3301Gigabit Ethernet Media Converter series are designed to convert 1000Base-T signals to 1000Base-SX/LX signals, supporting the data forwarding rate up to 1488100 pps in Gigabit Ethernet speed. They greatly extend the connection range of Ethernet device to transmit & receive data via fiber cable without performance degradation.

The JetCon 3301converter series support jumbo packets up to 10KB, also supports auto-negotiation, flow control function both on RJ-45 copper port and Fiber port. They will filter out abnormal packets to keep network performance. With the Link Loss Forwarding technology, the JetCon 3301 can fast detect the broken link on RJ-45 port and force the disconnection on the fiber port immediately. The JetCon 3301 also features diagnostic LEDs, which displays power, link and activity, allowing you to quickly detect and correct problems on the network.

◥ Dimensions (Unit –mm)

102.00

74.00

22.00

22.00

DC 5V

◥ Specification

Technology
Standard:
IEEE802.3ab 1000Base-T
IEEE802.3z 1000Base-SX/LX

Interface
Number of Ports:
1 x 1000 Base-T with Auto MDI/MDI-X function,
1 x 1000Base-SX/LX
Connectors:
1000 Base-T: RJ-45
1000 Base-SX/LX: SC or LC
Power plug
Cables:
RJ-45 connector: supports CAT-3,CAT-4,CAT-5, 5e or 6 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.
LC connector: supports multi-mode or single-mode optical fiber.
Multi-mode fiber: 50/125um, max. distance 550 M,
60/125um, max. distance 220 M,
Single-mode fiber: 9/125um or 10/125 um, max. distance 10/20 KM
Fiber Transceiver:
JetCon 3301, Multi-mode:550M max. distance
Wave-length: 850nm
Maximum TX power: -4dB
Minimum TX power: -9dB
Sensitivity: -17dB
Power Budget: 8dB
Single-mode: 10KM max. distance

Wave-length: 1310nm
Maximum TX power: -3dB
Minimum TX power: -8dB
Sensitivity: -20dB
Power Budget: 12dB
Single-mode: 20KM max. distance
Wave-length: 1310nm
Maximum TX power: -2dB
Minimum TX power: -7dB
Sensitivity: -22dB
Power Budget: 15dB
Diagnostic LED:
System: Power
RJ-45 port: Link & TX LEDs
Fiber port: Link & RX LEDs

Power Requirements
System Power: 5V DC 1.4A
Power Consumption: 5.2 Watts (Maximum)

Mechanical
Installation: Desktop or chassis mount
Case: Sheet metal case
Dimension: 102mm(H) x 74mm (W) x 22mm (L) with DIN
Weight:
240g 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 3301C, 1000Base-T to 1000Base-SX Media Converter with SC connector, Multi-mode 550M

JetCon 3301L, 1000Base-T to 1000Base-SX Media Converter with LC connector, Multi-mode 550M

JetCon 3301C10, 1000Base-T to 1000Base-LX Media Converter with SC connector, Single-mode 10KM

JetCon 3301C20, 1000Base-T to 1000Base-LX Media Converter with SC connector, Single-mode 20KM

JetCon 3301L10, 1000Base-T to 1000Base-LX Media Converter with LC connector, Single-mode 10KM

JetCon 3301L20, 1000Base-T to 1000Base-LX Media Converter with LC connector, Single-mode 20KM

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 3301

■ Quick Installation Guide

■ AC-DC Power Adapter