

JetCon 3301

Gigabit Ethernet Media Converter



CE FC RoHS

- 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
- JetCon 3301C 1000Base-T to 1000Base-SX, SC connector, Multi-mode 550M
- JetCon 3301L 1000Base-T to 1000Base-SX, LC connector, Multi-mode 550M
- JetCon 3301C10 1000Base-T to 1000Base-LX, SC connector, Single-mode 10KM
- JetCon 3301C20 1000Base-T to 1000Base-LX, SC connector, Single-mode 20KM
- JetCon 3301L10 1000Base-T to 1000Base-LX, LC connector, Single-mode 10KM
- JetCon 3301L20 1000Base-T to 1000Base-LX, LC connector, Single-mode 20KM

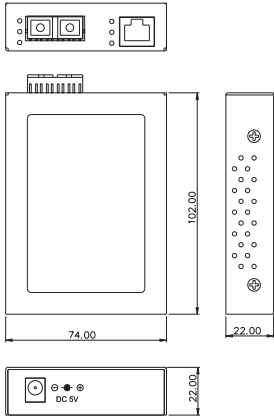
Overview

The JetCon 3301 Gigabit 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 3301 supports 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)



- 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:

IEEE802.3ab 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
Link Power Budget: 8dB
Single-mode: 10KM max. distance

Wave-length: 1310nm

Maximum TX power: -3dB
Minimum TX power: -8dB
Sensitivity: -20dB
Link Power Budget: 12dB
Single-mode: 20KM max. distance
Wave-length: 1310nm
Maximum TX power: -2dB
Minimum TX power: -7dB
Sensitivity: -22dB
Link 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