JetCon 1302
Industrial 2-port Fast Ethernet to Fiber Media Converter

- Two 10/100 TX ports to One 100FX port media converter
- Supports 1.5KV Hi-Pot isolation protection
- Supports Auto MDI/MDI-X, Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Dual modes for power input, AC18-27V/DC18-32V
- Fault Relay Output for port alarm
- Compact Aluminum case with IP-31 grade protection
- -10~70°C operating temperature for hazardous environment
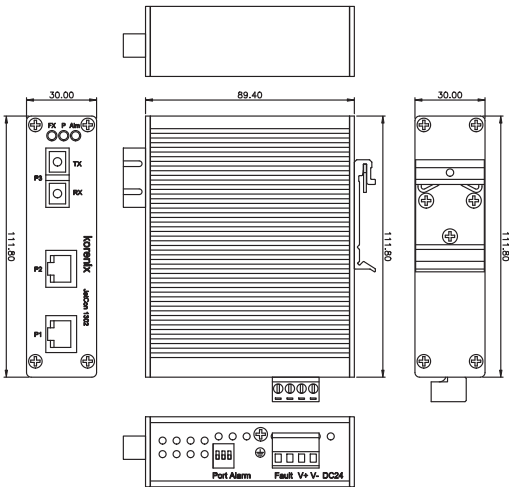- applications

CE FC ☒ RoHS

Overview

JetCon 1302 is not only a compact 2-port RJ45 to fiber media converter, but also a slim 3-port switch which is an ideal model that would physically fit in a network environment with limited space. The feature of fault relay alarm aims to inform you whenever there is any port link down. Just move up the DIP switch, the fault relay alarm will be functioning! Single-mode and Multi-mode fiber optic ports meet your needs for long distance transmission up to 30KM.

When you are ready to install JetCon 1302, you will find out that it can be easily wall mounted and be mounted directly on DIN rail. AC 18V~27V or DC 18V~32V is available for different operating environments. With IP 31 rigid and compact aluminum case, 1.5KV Hi-PoT isolation protection, CE/FCC regulatory approvals, and 5-year global warranty, JetCon 1302 series are your reliable choices for hazardous applications.

Dimensions (Unit –mm)

Specification

Technology

Standard:
IEEE802.3 10Base-T,IEEE802.3u 100Base-TX
IEEE802.3u 100Base-FX,IEEE802.3x flow control
Switch Technology: Store and forward technology and with 3.2Gbps switch bandwidth
Aggregate System Throughput: 1.49Mpps

Interface

Number of Ports: 2 x 10/100 TX with Auto MDI/MDI-X, Auto-Negotiation functions
1 x 100Base-FX
Connectors: 10/100 Base-TX: RJ-45
100Base-FX: Duplex SC
Power/Relay: 4-pin terminal block
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 metersSC connector:
SC Connector:
Multi-mode fiber: 50/125um or 62.5/125um,
max. distance 2KM
Single-mode fiber: 8/125um, 9/125um or 10/125 um,
max. distance 30KM
Fiber Transceiver:
JetCon1302-m, Multi-mode: 2KM max. distance
Link Distance: 2KM (Max.)
Wave-length: 1310nm
Min Tx Power:-20dBm
Max Tx Power:-14dBm
Min Rx Sensitivity:0dBm
Max Rx Sensitivity:-31dBm
Link budget:11dBm
JetCon1302-s, Single-mode: 30KM max. distance
Link Distance: 30KM (Max.)
Wave-length:1310nm
Min Tx Power:-15dBm
Max Tx Power:-8dBm
Min Rx Sensitivity:0dBm
Max Rx Sensitivity:-34dBm
Link budget:19dBm

Port Alarm DIP Switch:
DIP 1~3: Enable or disable port link down alarm for copper port 1/2, fiber port 3
On: Enable port link down alarm
Off: Disable port link down alarm
Diagnostic LED: System: Power (green), Fault (red)
RJ-45 port: 100Mbps Link (green on)/Activity(green blinking)
10Mbps Link (yellow on)/Activity(yellow blinking)
Fiber port: Link/Activity(green)

Power Requirements

System Power: 2 pins terminal block for power input
DC 24V(18~32V)with reverse polarity protection
AC 18~27V, 47~63Hz
Power Consumption: 4.8Watts @ DC 24V

Mechanical

Installation: DIN-Rail mount
Casing: IP31 protection, aluminum case
Dimensions:
111.8mm(H) x 30mm (W) x 98.2mm (D) (with DIN rail clip)
111.8mm(H) x 30mm (W) x 89.4mm (D) (without DIN rail clip)
Weight: 374g with package
292g without package

Environmental

Operating Temperature: -10 ~ 70°C
Operating Humidity: 0% ~ 95% (Non-condensing)
Storage Temperature: -40 ~ 80°C
Storage Humidity: 0%~ 95% non-condensing

Regulatory Approvals

EMI: FCC Class A, CE/EN55022 Class A
EMC Immunity Interface:
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5
EN61000-4-6, EN61000-4-8, EN61000-4-11
Safety: CE/EN60950
Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Vibration: IEC60068-2-6
MTBF: 632,171 Hours, MIL-HDBK-217F GB standard
Warranty: 5 years

Ordering Information

JetCon 1302-m Industrial 2-port Fast Ethernet to Fiber Media Converter, SC, Multi-mode/2KM

JetCon 1302-s Industrial 2-port Fast Ethernet to Fiber Media Converter, SC, Single-mode/30KM

Includes:

- JetCon 1302-m / 1302-s
- Quick Installation Guide