Model271 Series

RS-232/485/422 to Fiber Converter

Features

1. Auto sense serial signal rate, zero delay automatic transmit
2. 500Kbps the highest baudrate
3. Supply three interface (RS232/485/422)
4. Multi-mode 2, 5KM, signal-mode 20,25, 40, 60, 80, 100 120KM
5. Compact Size
6. Decreases Signal interference
7. DIN Rail or Wall-mounting

Introduction

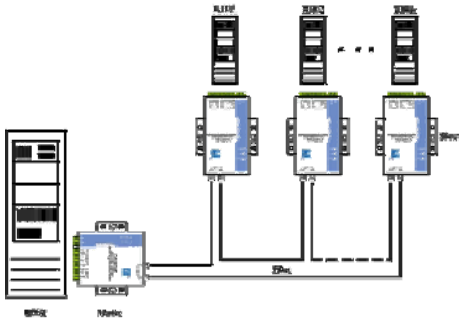
The Model271 Series converter is equipped with a multiple interface circuit that can handle RS-232, or RS-422/485 serial interfaces and multi-mode or single- mode fiber. Model271 converters are used to extend serial transmission distance up to 2-5 km (multi-mode fiber) or up to 20-120 km (single- mode fiber). Note that the RS-232 and RS-422/485 interfaces cannot be used on the same Model271 at the same time to convert to fiber. Auto Baud Rate Detection.

Automatic Baudrate Detection

The Model271 Series incorporates a method for automatically detecting the serial signal baud rate by hardware. This is an extremely convenient feature for the user. Even if adevice's baud rate is changed, the signal will still be transmitted through the RS-232 or RS-422/485 to fiber converter without any problem.

Ring Operation

Model271 can be used to connect serial device to a fiber Ring. To form the ring, connect the Tx port of one Model277 to the Rx port of a neighboring converter. Please make sure that there Have Model271 is master and others are slaves.



Specifications

RS-232/485/422 side

Standard: EIA RS-232, RS-485, RS-422

Connector: Terminal Block

RS-232 Signals: Tx, Rx, GNG

RS-422 Signals: T+, T-, R+, R-

RS-485 Signals: T+, T-

Baudate: 0-500kbps

ESD Protection: 15KV for all signals

Optic fiber side

Fiber Connector: SC, FC or ST optional

Cable Requiremnets

Single-mode: 8.3/125, 8.7/125, 9/125 or 10/125μm

Multi-mode: 50/125, 62.5/125, or 100/140μm

Transmission

Single-mode: 20, 25, 40, 60, 80, 100, 120KM optional

Multi-mode: 2, 5KM

Wavelength

Single-mode: 1310nm

Multi-mode: 850nm

Tx Output

Single-mode: >-5dBm

Multi-mode: >-5 dBm

Rx Sensitivity

Single-mode: -25dBm

Multi-mode: -25dBm

Point-to-Point Transmission: Half-duplex or full-duplex

Ring Transmission: Half-duplex

Physical Characteristics

Case: Iron

Dimensions: 100*69*22mm

Environment

Operating Temerature: -25℃ to 70℃

Storage Temperature: -40℃ to 85℃

Relative Humidity: 5 to 95%

Power Requirements

Input Voltage: 9-36VDC

Consumption: 120mA

Warranty: 5 Years

Ordering Information

You can choice Model271 according to the table

Distance: MM: Multimode SM: Single-mode

□ 0~2km MM

□ 0~5km MM

□ 0~20km SM

□ 0~25km SM

□ 0~40km SM

□ 0~60km SM

□ 0~80km SM

□ 0~120km SM

Optical Port:

□ SC □ FC □ ST

Package Checklist

1. Model271 series RS-232/485/422 to Fiber Converter×1
2. User manual ×1