



TD-277S-SM RS-485/RS-422 to Single-mode Fiber Converter

Description

TD-277S-SM RS-485/RS-422 to Single-mode Fiber Converter is a professional design in order to solve the RS-485/RS-422 serial signals and single-mode fiber optic signals for communication. RS-485/RS-422 to Single-Mode Fiber Converter provide users transparent transmission from RS-485/RS-422 serial port to fiber port, the user need not change the existing software, can send the RS-485/RS-422 serial signals to long distance stability. TD-277S-SM RS-485/RS-422 to Single-mode Fiber Converter for use with methods of work in pairs, it would be more convenient to the user's RS-485/RS-422 serial signal through fiber optic transmission and then revert to the RS-485/RS-422 serial signal. In optical fiber is optical signal, there is no electrical conductivity, it will not be the impact of electromagnetic waves and the thunder and lightning, which has a strong anti-jamming capability. Particularly suitable for the work environment is harsh, distant outdoor occasions to use.

Feature

- Optical signals transparently convert RS-485/RS-422 signals without the need for jumper settings, automatically switching.
- Unique zero-delay auto-conversion transceiver technology and the baud rate adaptive technology.
- Automatic control of data flows, does not require any handshaking signals (such as RTS, DTR, etc.)
- The power with some positive and negative connect inversely protection and the internal overcurrent protection.
- Products to overcome the traditional RS-485/RS-422 signal transmission distance is short, defects and poor anti-interference ability
- To solve the electromagnetic interference, ground loop interference and lightning and surge problems, ensuring the reliability of communication, security.
- Product Support Wall, industrial rail-mounted
- Automatically detects the serial port baud rate, determine the direction and control of data transfer
- Working wavelength: 1310nm
- Maximum communication speed 500Kbps
- Single-mode optional ST/SC/FC connector
- Single-mode communication distance reach 25 km
- Interface 1500W surge protection, 15KV ESD protection
- Single/Dual fiber port can be chosen according to customer demand

Specification

- Standard: Accord EIA RS-485/RS-422 standard
- RS-485 signal: D+, D-, GND
- RS-422 signal: R+, R-, T+, T-, GND
- Electricity connector: 5 terminal block
- Fiber signal: IN, OUT
- Electricity port transmission: RS-485/422 port 1200M
- Optic port transmission: Single-mode 25KM
- Optical wavelength: 1310nm
- Baud rate: 300~115200bps adaptive
- Surge Protection: 600W
- Bus loading: RS-485/422 port Support 32 port loop environment
- Input power: 5~12V
- Working method: point to point or multipoint
- Data direction control: Using data flow control technology, automatic discriminate and control the direction of data transfer.
- Working temperature: -25°C~70°C
- Storage temperature: -40°C~85°C
- Operating Humidity: 5%~95% relative humidity
- Consumption: 2W