

MODEL277A

1-Port RS-232 to Fiber Converter

Serial to Fiber Converter

Features

- Extend RS-232 transmission up to 120Km with single-mode
- Transmit asynchronously, point to point, speed reach 120Kbps
- Support 600W surge protection, 1500W surge protection
- Plug-and-Play (hot-pluggable, data format auto-sensing & self-adjusting)
- 5VDC power supply input



Introduction

The device Model277A is one kind can offer RS-232 serial port carry transparent optic fiber modem of transmission to get end to user, it is the best choice to connect RTU to HOST or SCADA controller. The device adopt optic fiber transmit, have isolate protection, data privacy is fine, working steady, data, such threats to communication equipment as the wave is welled up and interfered with electromagnetically that the effective one has prevented the abominable environment from

being struck by lightning, can work in the abominable and dangerous environment reliably.

Can be used in occasions such as various industrial control, course controlling, traffic controlling and intellectual district , especially suit the bank, electricity and interfering with environment department and system with the special requirement electromagnetically.

Specification

RS-232

Standards: EIA RS-232C standard

RS-232 signal: TXD, RXD, GND

Baud rate: 0~115.2Kbps, auto test serial signal rate detect signal speed automatically, zero delay time

Transfer distance: no less than 5m

Port protect: 600W surge protection, 15KV ESD protection

Optic Fiber

Connectors: SC, FC or ST, optional

Fiber optic cables:

Single Mode: 8.3/125, 8.7/125, 9/125 or 10/125 μ m

Muti-Mode: 50/125, 62.5/125 or 100/125 μ m

Transmission: 20, 40, 60, 80, 100, 120km(SM),
2km (MM) optional

Wavelength: 850nm, 1310nm, 1550nm

Power supply

Input Voltage: Power External 5VDC

Consumption: 120mA

Working environment

Working temperature: -25~70 $^{\circ}$ C

Storage temperature: -40~85 $^{\circ}$ C

Relative Humidity: 5%~95 % (no condensation)

Mechanical Structure

Shell: Iron shell

Installation: Wallmount or DIN-Rail mounts

Weight: 230g

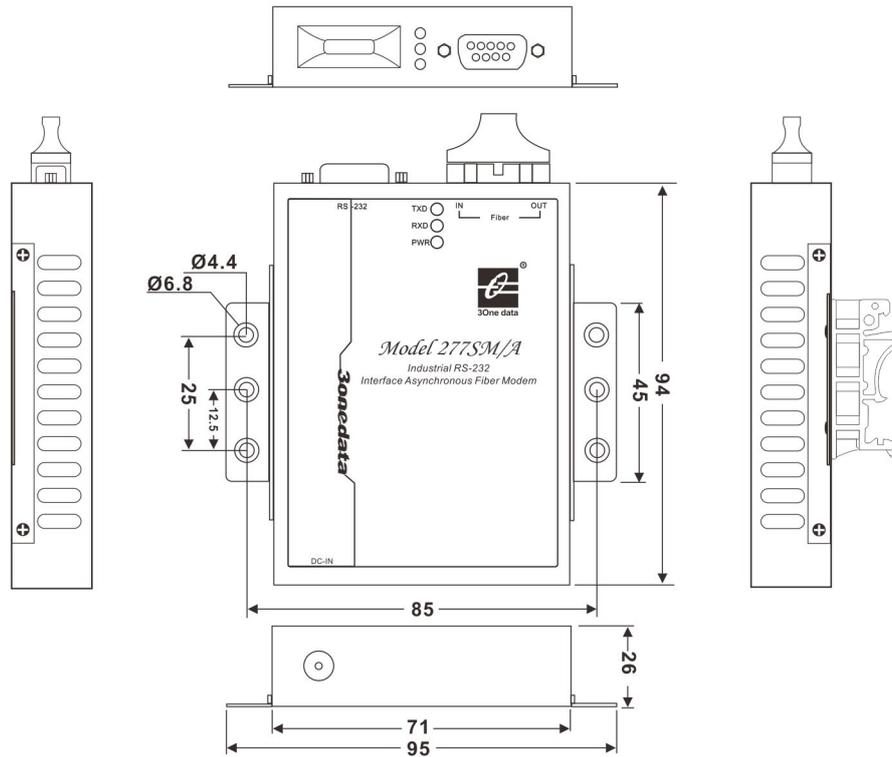
Size (WxHxD): 94mmx26mmx71mm

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 3 years

Dimension (Unit: mm)



Ordering Information

- MODEL277A (M):** 1-port RS-232 to optical fiber, multi-mode, SC/FC/ST optional, 5VDC, wall mount;
- MODEL277A (S):** 1-port RS-232 to optical fiber, single-mode, SC/FC/ST optional, 5VDC, wall mount;
- MODEL277A (SS):** 1-port RS-232 to optical fiber, single-mode, single fiber SC/FC/ST optional, 5VDC, wall mount;

Packing List

1. RS-232 to Fiber Converter (plus terminal block) × 1
2. User manual × 1
3. 5VDC power adapter × 1
4. Certificate of quality × 1
5. Warranty card × 1

Optional accessories:

- DIN-Rail Mounting Kit (35mm) × 2