

## Model277

## 1-Port RS-232/485/422 to Fiber Converter

### Serial to Fiber Converter

#### Features

- Extend RS-232/485/422 transmission up to 120Km with single-mode
- Transmit asynchronously, point to point, speed reach 500Kbps
- Examine signal speed automatically, zero delay time
- Plug-and-Play(hot-pluggable, data format auto-sensing & self-adjusting)
- Support RS-232/485/422 interface type, but only one RS-232/ RS-485/ RS-422 port can be connected at a given time
- 9~36VDC power supply input(2 bit terminal block)



#### Introduction

Model277 is one kind can offer RS-232/485/422 serial port carry transparent optic fiber modem of transmission to get end to user, no need patch cords set up, switch over automatically, and can detect and examine the signal speed automatically, zero delays time to transmit automatically. Model277 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-232/485/422

Standards: EIA RS-232C, RS-485, RS422 standard

RS-232 signal: OUT (TX), IN (RX), GND

RS-422 signal: T+, T-, R+, R-, GND

RS-485 signal: D+, D-, GND

Working mode: Asynchronism, point to point or multi point, 2 wire half-duplex, 4 wire full duplex

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

Transfer distance: RS-485/422 side: 1.2Km (9600bps)

RS-232 side: no less than 5m

Max number of drops: 128 nodes (RS-485/422)

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 um

Muti-Mode:50/125,62.5/125 or 100/125 um

Transmission: 2km (MM),

20/40/60/80/100/120km(SM), optional

Wavelength: 850nm, 1310nm, 1550nm

##### Power

Power input: 9~36VDC power input(2 bit terminal block)

Consumption: 120mA

##### Environment

Operating temperature: -25°C to 70°C

Storage temperature: -40°C to 85°C

Humidity: 5% to 95 % (no condensation)

##### Appearance

Dimensions: 100.0mm×69.0mm×22.0mm

Material: Iron (shell)

Color: White

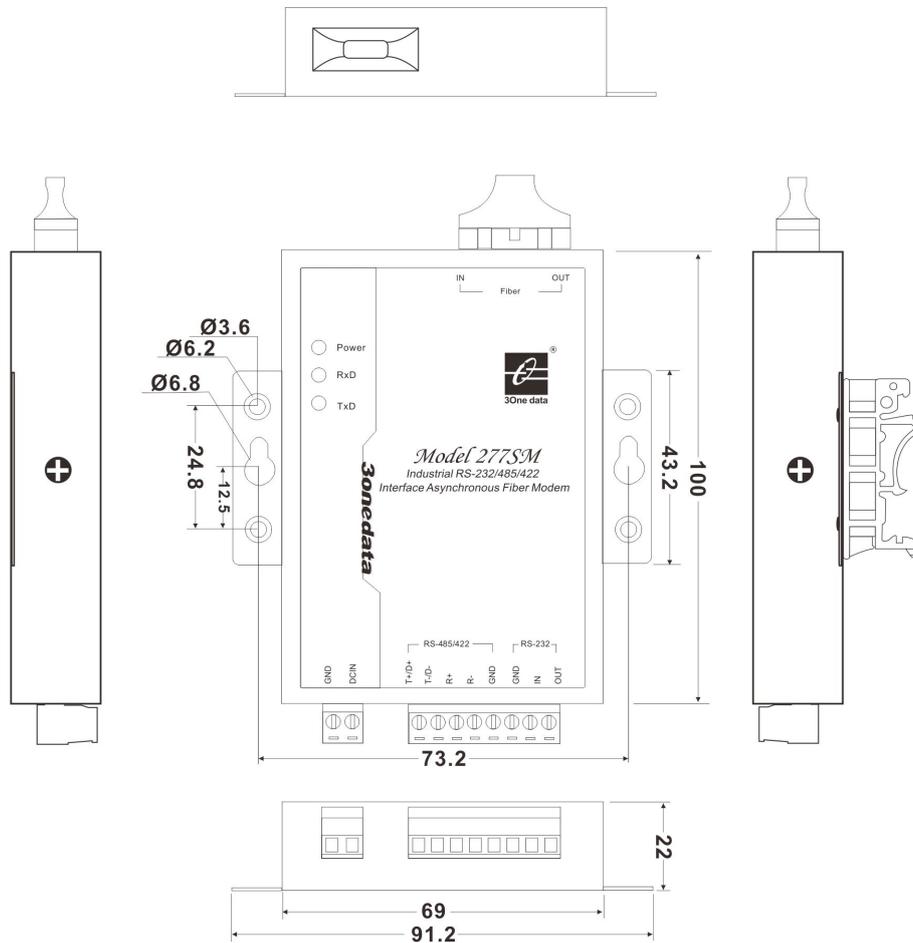
Weight: 230g

**Warranty: 3 years**

**Approvals: FCC, CE, RoHS approvals**

## Dimension

Unit: mm



## Ordering Information

**MODEL277 (M):** 1-port RS-232/485/422 to optical fiber, multi-mode, SC/FC/ST optional, 9~36VDC, wall mount;

**MODEL277 (S):** 1-port RS-232/485/422 to optical fiber, single-mode, SC/FC/ST optional, 9~36VDC, wall mount;

**MODEL277 (SS):** 1-port RS-232/485/422 to optical fiber, single-mode, single fiber SC/FC/ST optional, 9~36VDC, wall mount;

## Packing List

1. Model277 serial to fiber converter (plus terminal block) × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1

### Optional accessories:

DIN-Rail Mounting Kit (35mm) × 2