

Industrial Serial Fiber Converter

Introduction:

TS-RS232-SM20KM is a multi-function and economic RS-232/485/422 interface fiber optic product. It is the best choice to connect RTU to HOST or SCADA controller. It uses optic fiber as transmission media, increasing the system. Transmitting function. Communication equipments abstain menace effectively from lightning strike, surge, electromagnetism disturb in the working environment.

Key Features:

1. Plug-and-play, hot pluggable
2. Extends RS232/RS422/RS485 transmission up to 2Km on MMF, 80Km on SMF
3. Industrial din-rail mounting, IP40 protection grade
4. Protects against electrical interference and chemical corrosion
5. Built-in surge and static protection
6. Diagnostic and unit indicator LEDs
7. Wide temperature range -40°C - +75°C
8. Dual power supply input, 9-52VDC
9. Rail din instalation

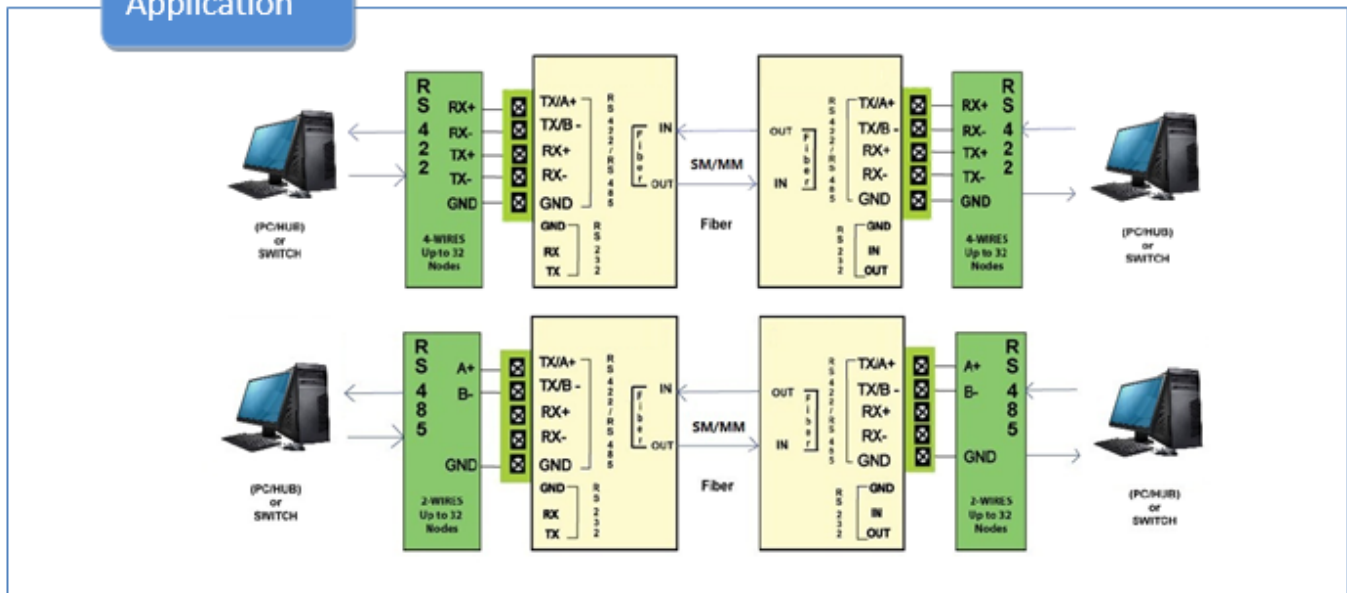


Product Paramater :

Standard	EIA /TIA RS232, RS-422, RS-485
Fiber Connector	SC standard, ST/FC optional
Fiber Distance	50/125um MMF: 2Km, 62.5/125um MMF: 5Km, 9/125 SMF:20/40/60/80Km
Serial Connector	RS-232 ,RS-422, RS-485: phoenix terminal
Serial Distance	RS-232 port 15m, RS-422, RS-485: 1200 meters
Rate	0-120Kbps
Baud Rate	300 Baud to 115,200 Baud
RS-485	D+, D-, GND
RS-422	R+, R-, T+, T-, GND
RS-232	IN, OUT, GND
Power Rate	1W, 9-52VDC 9pin power terminal
Static Protection	15KV electric static discharge (ESD) protection
Surge Protection	1500W/sec surge protection
Operation Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C

Storage Humidity	5%~90% non-condensing
Dimensions	114mm*94mm*34.5mm
Weight	0.4kg/pcs

Application



Daily Query Collection

- Is there any special software to use this device or just plug & play?

Reply: Just plug play

Once the fiber cable/serial signal got a problem, it stops working.

- Do we have to set for baud rate (RS485)? Our MFM meters are using 9600 or 19200 baud rates. Will it work for those baud rates (either one)? Or baud rate is automatically selected?

Reply: Auto-sensing/300 Baud to 115,200 Baud

So you do not have to set the baud rate.

- What is the fiber optic option?

Reply: Fixed module or SFP slot available.

For the fixed module, it could be SC/FC/ST with different distances (Single mode or Multimode)

- Can I just have RS485 serial? RS232 is not required.

Reply: Yes, there are 3 serial PCB cards available, options are 1, Max 6*RS232(2-pin) 2, Max 6*RS485 (2-pin) 3, Max 3*RS485/RS422 (RS485 4-pin, RS422 2-pin)

4, Combination: 1*RS485/RS422+4*RS232 (2-pin) 2*RS485/RS422+2*RS232 (2-pin)...

With those flexible options, the fiber module supports fixed or SFP type as said above.

