**ADD-SERIAL-2SC**

Serial RS232/RS485/RS422 to Fiber SMF 1310nm 20km SC Serial Media Converter

**Features**

- Zero-Delay automatic forwarding
- Supporting three types of interfaces: RS232/485/422
- Automatic detection of serial port rate, Judgment, and control of data transmission direction
- Working wavelength: 1310 nm (single mode)
- Maximum communication rate: 500 Kbps
- Optional optical interfaces: ST/SC/FC
- Up to 20 kilometers in single mode transmission
- Broad voltage inputs: 5-40 VDC or 85-265 VAC
- The interface supports 1500W surge protection and 15KV ESD protection
- External power supply

**Product Description**

This is a serial media converter that allows the conversion from a RS232/RS485/RS422 port to fiber via a 1310nm single-mode fiber (SMF) SC connector, allowing a distance reach up to 20km. This provides a cost effective conversion from serial RS232/RS485/RS422 to fiber, while extending your network reach beyond the 100m reach limitation of copper. Our media converters are 100% compliant for all of our networking needs. Now you have a cost effective solution to your network upgrade needs.

## Communication Specifications

| Parameter | Specifications |
|---|---|
| Standard | In compliance with EIA RS-232 and RS-485 standards |
| RS-232 Signal | IN, OUT, GND |
| RS-485 Signal | D+, D-, GND |
| RS-422 Signal | R+, R-, T+, T-, GND |
| Fiber Signal | IN, OUT |
| Working Mode | Asynchronous working mode, point-to-point |
| Direction Control | Adopting automatic data flow control technology, supporting automatic judgment and control of data transmission direction |
| Baud Rate | 0-500Kbps, automatic detection of signal rate |
| Fiber Wavelength | Single-mode: 1310nm |
| Transmission Distance of Electrical Interface | RS-232 interface: 15 meters, RS-485/422 interface: 1200 meters |
| Transmission Distance of Optical Interface | Single-mode: 20km |
| Load Capacity | RS-485/422 interface supports 32 nodes (128 nodes customizable) |
| Interface Protection | 600W surge protection, 1500V ESD protection |
| Form of Electrical Interface | 8-pin connector |
| Form of Optical Interface | SC interface for single-mode transmission |
| **Environmental Specifications** | |
| Operating Temperature | -25°C to 70°C |
| Storage Temperature | -40°C to 85°C |
| Relative Humidity | 5-95% |
| **Power Specifications** | |
| Input Power | 12V input |
| Power Consumption | 2W |

## Appearance Specifications

| Parameter | Specifications |
|---|---|
| Length | 100mm, 9mm, 2mm |
| Enclosure | Iron enclosure |
| Color | Technology blue |
| Weight | 230g |

**About AddOn Networks**

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is in engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.

**U.S. Headquarters**

Email: sales@addonnetworks.com

Telephone: +1 877.292.1701

Fax: 949.266.9273

**Europe Headquarters**

Email: salessupportemea@addonnetworks.com

Telephone: +44 1285 842070