

# STF-300C Series

RS-232/422/485 To Fiber Converter

## Features

- ▶ Extend serial transmission from 2 km over fiber
- ▶ Selectable data I/F for RS-232/422/423/485/TTL
- ▶ Selectable for two or four wire RS-422/485
- ▶ Plug-in screw terminal block for easy RS-422/485 wiring
- ▶ Plug-n-play & compact size
- ▶ 5-Year Warranty



## INTRODUCTION

**Antaira Technologies' STF-300C Series:** The STF-300C will extend RS-485 transmission distance up to 2Km over multimode fiber or up to 30Km over single mode fiber. The converter is equipped with user-configurable interface circuits, for connection to RS-232, or RS-485 (2 or 4-wire). The STF-300C secures data transmissions at speeds up to 256kbps for RS-232, or up to 1024kbps for RS-485.

## SPECIFICATIONS

| Technology                 |                                                    | Power Requirement         |                                 |
|----------------------------|----------------------------------------------------|---------------------------|---------------------------------|
| Standards                  | EIA / TIA<br>RS-232 / 422 / 423 / 485              | Input Voltage             | External AC Adapter 12 VDC@1A   |
| LEDs                       |                                                    | Power Consumption         | < 5 Watts                       |
| PWR                        | Power LED                                          | Environmental Limits      |                                 |
| Data                       | Data Flow indicator                                | Operating Temperature     | 0° C to 50° C (32° F to 122° F) |
| Test                       | Test LED                                           | Storage Temperature       | 0° C to 70° C (32° F to 158° F) |
| Fiber Link                 | Fiber Link LED                                     | Ambient Relative Humidity | 5% to 90%, (non-condensing)     |
| Mechanical Characteristics |                                                    | Regulatory Approvals      |                                 |
| Dimensions                 | 85.6 x 20.0 x 122.6 mm (3.37 x 0.79 x 4.83 inches) | Certifications            | FCC, CE                         |
| Weight                     | Shipping: 0.3 Kg                                   | Warranty                  | 5 Years                         |
| MTBF                       | 57,907 Hrs                                         |                           |                                 |

## ORDERING INFO

|               |                                                                                      |
|---------------|--------------------------------------------------------------------------------------|
| STF-300C-CM02 | RS-232/422/485 To Fiber Converter, Multi-Mode 2KM, SC Connector                      |
| STF-300C-TM02 | RS-232/422/485 To Fiber Converter, Multi-Mode 2KM, ST Connector                      |
| STF-300C-CS30 | RS-232/422/485 To Fiber Converter, Single Mode 30KM, SC Connector                    |
| STF-300C-CS50 | RS-232/422/485 To Fiber Converter, Single Mode 50KM, SC Connector                    |
| STF-300C-CS80 | RS-232/422/485 To Fiber Converter, Single Mode 80KM, SC Connector                    |
| STF-300C-WA-M | RS-232/422/485 To Fiber Converter, WDM-A Tx:1310nmFP/Rx:1550nm MMF 2km, SC Connector |
| STF-300C-WB-M | RS-232/422/485 To Fiber Converter, WDM-B Tx:1550nm/Rx:1310nm MMF 2km, SC Connector   |
| STF-300C-WA20 | RS-232/422/485 To Fiber Converter, WDM-A 20KM, TX1310nm - RX1550nm, SC Connector     |
| STF-300C-WB20 | RS-232/422/485 To Fiber Converter, WDM-B 20KM, TX1550nm - RX1310nm, SC Connector     |

## Assured Systems

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