

# 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

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

## ORDERING INFO

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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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