

OVERVIEW

The SCADALink TISC-485 is an isolated serial converter designed for industrial applications where RS-232 ports are required to interface to RS-485 devices or multi-drop RS-485 bus connections. The TISC-485 can also provide isolated RS-232 connections and combinations of both RS-232 and RS-485 field connections.

The TISC-485's RS-485 port can be wired in either 4-wire (full duplex) or 2-wire (half duplex) configuration and is capable of ultra-precise data framing at baud rates from 1200 to 115200. All baud rate, 2W/4W, and Termination selection is done via external switches and no programming is necessary. The SCADALink TISC-485 provides greater than 2000V isolation between: Power / COM1 (RS-232 & USB) / COM2 (RS-232 & RS-485) .

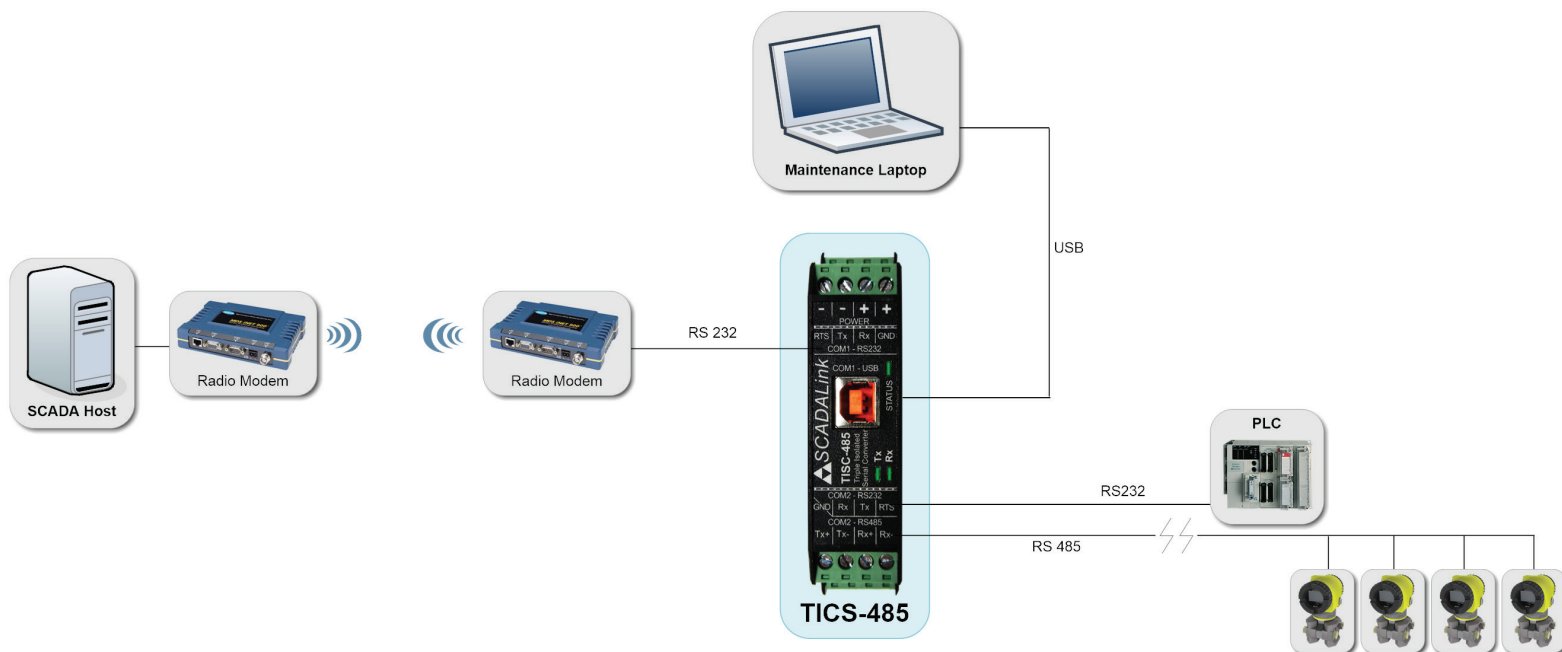
FEATURES

- Industrial RS-232 to RS-485 Converter
- Input Ports – COM1, RS232
- Output Port – COM2, RS232 and RS485
- USB Input Port – USB Override
- Terminal Block Field Connections
- 2000 V Isolation
- Class I Div 2
- 10-30VDC Operation
- -40 to 70 degC
- DIN Rail Mount

APPLICATION

- Connectivity for Long Multidrop RS485 Runs
- Multidrop EFM and Smart Instrument Connectivity
- Wellsite SCADA Installations
- Multi-Well Pad Instrumentation
- Plant Instrumentation
- Electrical Isolation/Protection

TYPICAL APPLICATION EXAMPLE



SPECIFICATIONS

General

Mounting	35mm DIN-rail
Dimensions	99mm(L) x 23mm(W) x 116mm(H)

Interface

Input (COM1)

RS-232: Tx, Rx, GND, RTS (Screw Terminals)

USB: Standard USB B-Type (Drivers)

Output (COM2)

RS-232: Tx, Rx, GND, RTS (Screw Terminals)

RS-485: 2-Wire or 4 Wire (Selectable)

Electrical

Input Power 10 to 30 VDC, 200mA Max, 1W Avg.

Baud Rate 1200 – 115,200 (Selectable)

Termination 120 Ohms (Selectable)

Isolation >2000V

Environmental

Temperature -40 to 70C

Certification

Class I Div 2, Group C, D T3C Suitable for Use in Class 1 Zone 2, IIB T3C