

CIM100

Communication Interface Module

RS485 Repeater and Interface to RS485 Communication Network



Overview

The CIM100 Communication Interface Module allows for seamless interfacing between RS485 physical layer networks and a range of standard communication interfaces. The CIM100 is protocol independent and can be configured to a wide range of standard baud rates.

The CIM100 is supplied with USB 2.0 as standard, but can also be configured to operate with a proprietary Bluetooth or Wi-Fi module.

The CIM100 presents a 2.5kV electrical isolation barrier between its two RS485 terminals (Port A & Ports B1/B2) in the form of galvanic isolation. This allows the CIM100 module to be used as an RS485 repeater in systems that require RS485 communication paths over extended ranges by boosting the signal in both directions.

Features

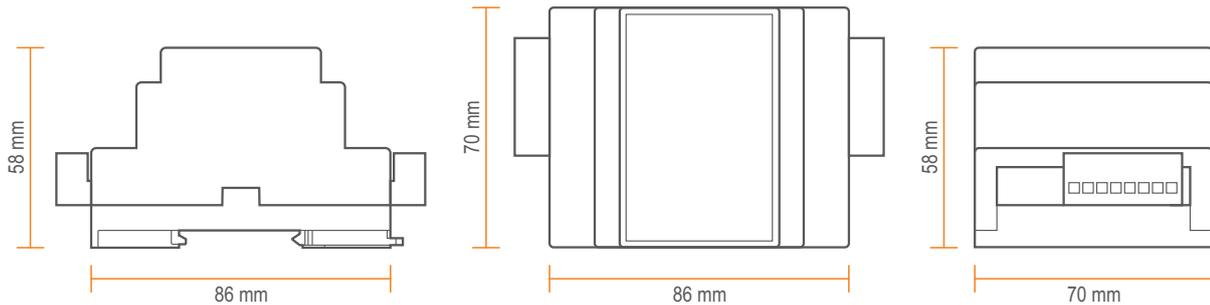
- 2.5kV isolation between Port A and Ports B1/B2
- 2.5kV isolation between USB and Port A
- Simple LED System Status indication
- Signal quality and amplitude visual indication
- Wireless connectivity using a Bluetooth or Wi-Fi communication connection
- DIN Rail mounting
- Baud rate selectable from 9600-115kbits/sec



Specifications

Dimension Diagram

Dimensions: 70 X 58 X 86 mm
Weight: 0.2kg



Power

Operating voltage: 18 to 36V (24V DC nominal)
Rated current: 250mA (at 24V)

Interfaces

RS485: Port A: Fixed Termination (Switchable: on / off)
Port B1: Fixed Termination (Switchable: on / off)
Port B2: Fixed Termination (Switchable: on / off)
Port B1 & B2: Isolated (2.5kV)
Baud Rate: 9600 to 115200 (selectable / configurable)

USB: USB 2.0 Micro-B connection (Device / Slave Mode)

Bluetooth: Module available

Wi-Fi : Module available

Temperature

Operating: -10 to 70°C
Storage: -40 to 70°C

Agency Approvals and Standards

CE, RoHs, WEEE compliant

EMC EN 61000-6-2, Immunity Standard (Industrial Environments)
EN 61000-6-4, Emission Standard (Industrial Environments)

Safety EN 60950, IT Equipment



Instance
Managing Data Xchange