Communication Tools

F - 485

Pw   Rx   Tx

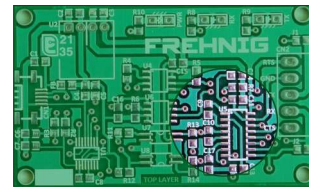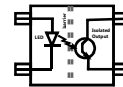**USB - RS485**
Isolated Interface

RS-485   G B A

FREHNIG

*HIGH SPEED-*ISOLATED

USB CONVERTER

Made in India

Precise design -industrial grade

Optically Isolated signal

Supply -Ground isolation

High speed USB chipset

Applications

process instruments

industrial gateways

serial modem

development boards

vfd drives

cnc devices

Devices

F - 232

Pw Rx Tx

USB - RS232
Isolated Interface

FREHNIG

FREHNIG

F-485 USB- Serial Converter

Applications

RS-485 interface for

- VFD drives
- Instrumentation
- Flowmeters
- Data Acquisition

- Embedded deisgn
- Wireless communication interfaces
- EPABX interfce
- CNC interface
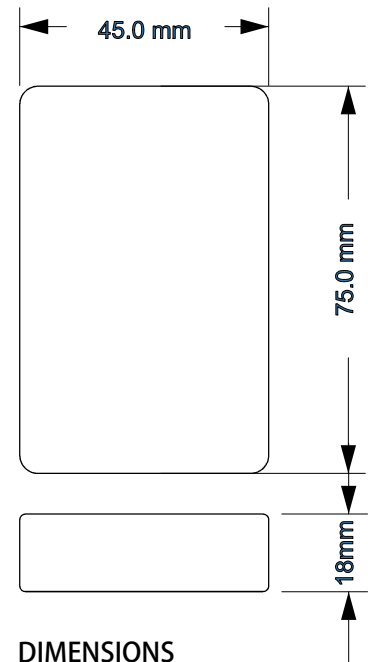
- Camera
- Energy Meters
- Automation
- Control Systems

Features:

USB powerd , No external power is needed

Both Power and Data are Galvanically Isolated

ESD Protection for USB

Power , Transmit & Receive LEDs for easy status

Standard Chipset software which installs the serial Port

Pluggable Connectors for easy insert & remove

Small form-factor for Wall or Panel installation

Data transfer rates from 300 baud to 3 Mbaud for UART

FREHNIG FL-485 converter, has been designed for industrial use. When multiple devices need to be connected serially, RS-485 is the most preferred option.

The FL-485 is a 3 wire system and has isolation for both the data lines and the power and ground lines . therefore there is an inherent safety for your computer /Laptop.

A simple driver installation, creates a virtual serial port in the . Multiple devices can also be added via various USB ports. The LEDs indicate power on and data transmit and receive status.

45.0 mm

75.0 mm

18mm

DIMENSIONS

SPECIFICATIONS:

Working Voltage   : 5V DC - USB powered
Current Consumption   : 130mA
Max. Data Transfer Rate : 500 kbps
Baud Rates   : (All standard baud rate supported)
Driver   : USB Driver Single Driver supports Windows 32-64
                           XP/NT/Vista/7/8/10 (No driver required on Linux)
Temperature range   : -40 to +85 ° C (-40 to 185 F)
USB Port   : Mini-B (MiniUSB)
Cable   : Provided with the device
Box Dimension   : 45x70x18mm
Box Material   : ABS