

# Vajravegha Isolated USB / TTL to RS485 / TTL Converter for Industrial Communication using Serial TTL / RS485 / Modbus Systems

Product ID: VVM485  
Version: v1.1

## Features:

- USB or TTL to RS485 or TTL communication between systems requiring galvanic isolation. Eliminates common grounding to protect sensitive systems from hazardous voltages
- Isolation Voltage between Input and Output 1.5kV DC. TVS Diodes for Transient and Lightning Protection, self-recovery fuse. Support Baud Rates upto 115200. Industrial Grade
- Original FT232RL chip with plug and play drivers, LED indication for Power, Transmission and Reception, requires only single power supply
- ABS Enclosure with both DIN Rail and Wall Mount capability. Dimensions 110 x 50 x 50 mm
- Typical Applications include TTL Serial, RS232, RS485, Modbus and other communication protocols
- Suitable for Industrial Automation and Gateways Data Switching Systems, Host to Machine communication MADE IN INDIA



## Description:

VVM485 Converter is used for isolated communication between industrial systems employing RS485, Modbus, Serial TTL, etc. The input side is connected to the host computer using a USB Type B male data cable. If TTL communication is required instead of USB, then connect 5v, Ground, Tx and Rx pins from the Host machine to the Input Side. The output side is connected to the Target Machine. If RS485 is implemented, use A, B and G pins, else for TTL communication use GND, Tx and Rx pins. Tx and Rx LED lights up on data transfer

