



## Description

BT-RS485-LW is a RS485 to LoRaWAN transceiver. It converts the RS485 signal into LoRaWAN wireless signal which simplifies collecting data from RS485 compliant devices.

BT-RS485-LW allows the user to monitor/control RS485 devices and reach extremely long ranges. It provides long-range communication and good penetration enabling customers to monitor assets that are widely distributed in their facility. With proven solutions across a wide gamut of industries, smart cities, LoRaWAN technology can simplify your Industry 4.0 transition.

BT-RS485-LW can also provide a 5V output to support battery-powered RS485 devices while collecting data. With a wide range of input voltage and IP65 enclosure, BT-RS485-LW is easy to install & configure.

## Applications

- Smart Buildings
- Logistics and Supply Chain Management
- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory / Industry

## Features

- 2 KM line of sight range with 22 dBm Tx Power
- Input supply 230 V AC
- LoRaWAN Class C support
- Supports up to 10 RS485 instruments on the bus.
- Battery-powered telemetry versions are also available. (up to 5 years\*)
- Lora Band: IN865
- Configurable uplink intervals > 5min
- Stores 90 days of data with once an hour interval
- WiFi or BLE-based field configuration
- Registers to be read can be configured from the cloud.
- IP65 enclosure for safety & protection.