

# BLE – GPRS & GPS GATEWAY



Technical  
Specification

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## Overview

BLE – GPRS & GPS Gateway is a Bluetooth 4.0 low energy (BLE) to GPRS & GPS connectivity gateway. The gateway collects the data from BLE Beacon and then sends remote cloud server by HTTP/HTTPS/MQTT. Posting interval, Beacon reading Range, posting API, configuration API, gateway configuration, FOTA shall be done through remote server or through local webserver.

## General

Power source	12VDC to 18VDC
Ideal Current	0.2A
Peak Current	0.7A
Temperature	-20° to 65°C
Firmware Update	Firmware over the Air (FOTA)

## GPRS and GSM Module

Frequency Band (Quad Band)	850/ 900/ 1800/ 1900MHz
DATA	Max. 85.6kbps (Downlink) Max. 85.6kbps (Uplink)
GPS L1 Band Receiver	Channel: 33 (Tracking)/ 99 (Acquisition)/ 210(PRN)
GLONASS L2 Band Receiver	C/A Code SBAS: WAAS, EGNOS, MSAS, GAGAN
Output Power	Class 4 (2W @850/ 900MHz) Class 1 (1W @1800/ 1900MHz)

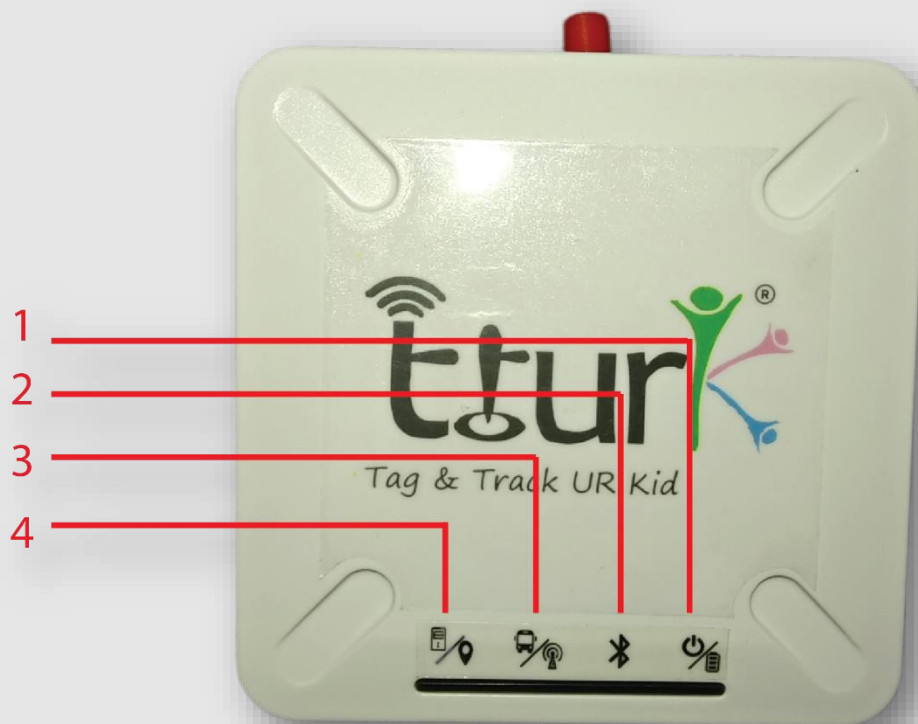
## Bluetooth Low Energy (BLE)

Bluetooth Type	4.0
Bluetooth Data Rate	1Mbps
Bluetooth Sensitivity	-96 dBm

Bluetooth Antenna

2400 ~ 2483.5 MHz / BW 83.5 MHz /  
Linear Polarization / Gain 7dBi / VSWR  
< 2 / 50 Ohms / External Omni  
directional Antenna/ Conn RP-SMA Male.

LED Indications



1 – Power & Battery Charging Status LED

2 – Bluetooth Indication

3 – Trip ON/OFF & Network Status

4 – Server Posting & GPS Status

Mechanical

Size

120 x 120 x 28mm

Net weight

250 Grams

Warranty

Warranty

1 Year (\*only manufacturing defects)

Applications

iBeacon / Eddystone / other BLE tag receiver

Asset tracking

Advertisement promotion

Indoor location and position

Industrial automation Applications.

Live GPS Tracking for Vehicle