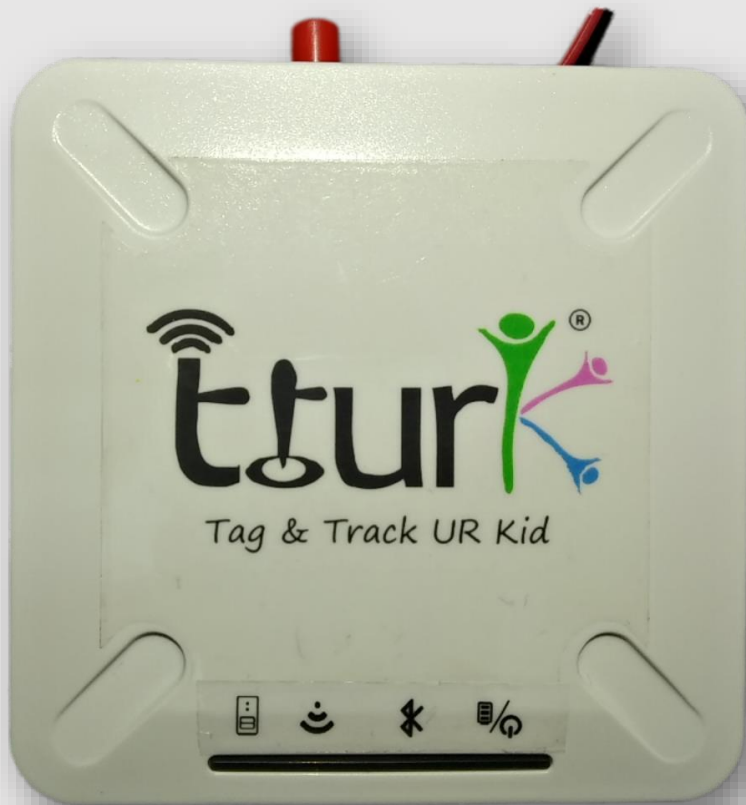


BLE - Wi-Fi GATEWAY



Technical
Specification
COMTUSTEC INDIA (P) LTD

Overview

BLE - Wi-Fi Gateway is a Bluetooth 4.0 low energy (BLE) to Wi-Fi connectivity gateway. The gateway collects the data from BLE Beacons and then sends to the 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	230VAC (Maximum)
Current consumption	AC - 10mA (Minimum) AC - 55mA (Maximum)
Temperature	-20° to 65°C
Firmware Update	Firmware over the Air (FOTA)

WIFI

WIFI Frequency	2.4 GHz - 2.5GHz (2400M - 2483.5)
WIFI Type	IEEE802.11 b/g/n Support
WIFI Security	WPA / WPA2
WIFI TX Power	20.5 dBm @ 1DSSS and 11 CCK 15.0dBm @ 54 OFDM
WIFI RX Sensitivity	-97.5 dBm @ 1DSSS -88.5dBm @ 11 CCK
WIFI Antenna	0 dBm Single PCB Antenna, Omni Directional

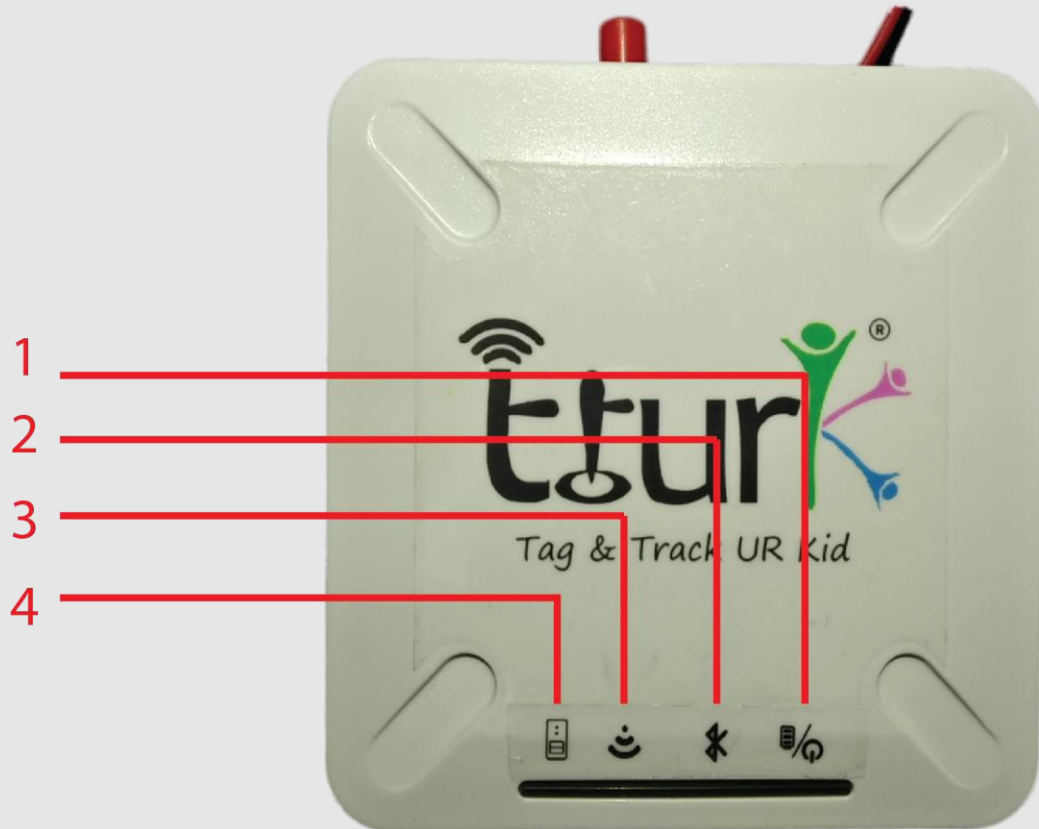
BLE (Bluetooth Low Energy)

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 Indication



- 1 – Power/Battery Charging Status
- 2 – Bluetooth Indication
- 3 – Wi-Fi Indication
- 4 – Server Posting

Battery

Battery 4.2V / 1000mAh

Power Backup 6 Hours

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.