

# EGIGATEK eGM-A30 Brief

*(CSRB5348 based Bluetooth Smart Ready Module)*

## 1. Description

The eGM-A30 Bluetooth module built in a CSRB5348 Bluetooth chip, is a perfect Bluetooth Smart Ready solution for wireless data/control applications of remote controller, keyboard, gamepad, barcode/QR-Code, wearable device, etc. The eGM-A30 complies with Bluetooth specification version 4.1. It supports SPP、HID、GATT. It integrates RF, Baseband controller, etc. And it also provides UART interface, USB interface and I<sup>2</sup>C interface.

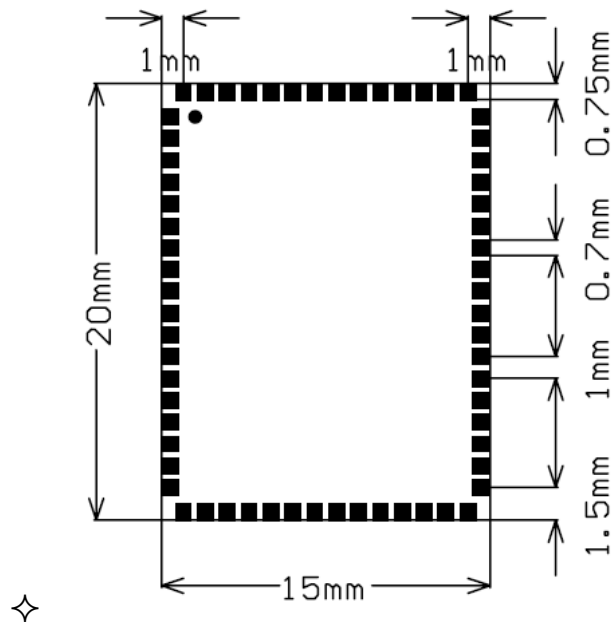
## 2. Features

- ✧ Bluetooth® v4.1 specification compliant
- ✧ MFi®V4.0 support (iAP2)
- ✧ Radio includes integrated balun
- ✧ typical RF performance of 9 dBm transmit power
- ✧ -90 dBm receive sensitivity (TT/4-DQPSK modulation)
- ✧ 32Mb serial flash
- ✧ 8 Mb internal ROM
- ✧ Internal 26MHz crystal
- ✧ Class 1 and Class 2 support
- ✧ 12 digital + 21 analog IO's for individual usage by embedded software
- ✧ Serial Output interfaces over USB2.0 full-speed/UART/I<sup>2</sup>C/SPI
- ✧ Integrated switch-mode regulator
- ✧ All internally required regulators integrated on chip
- ✧ 1.8 V / 2.8 V / 3.2 V LDO linear regulator
- ✧ Integrated battery charger
- ✧ ADC LDO linear regulator
- ✧ 5 independent PWM generators
- ✧ Manufactured in conformance with RoHS
- ✧ Small overall dimension: 20mm \* 15mm \* 2mm

## 3. Applications

- ✧ Wireless HID
- ✧ Wireless HCI
- ✧ PC Client

## 4. Dimensions (in mm)



## 5. Pin Placement

