

EGIGATEK eGM-A03 Brief

(CSR BC4 Ext. based Bluetooth 2.0/2.1+EDR class 2 Module)

1. Description

eGM-03 full qualified Bluetooth V2.0/2.1+EDR system, is a fully integrated Bluetooth Class 2 module using CSR BlueCore4-External solution which include radio frequency, base-band DSP, link manager, and Host Control Interface. eGM-A03 have its sufficient pin definitions, high receiving sensitivity, low power consumption and excellent performance with its integrated chip antenna.

2. Features

- ✧ Bluetooth specification V2.0+EDR (**Enhanced Data Rate**), or Bluetooth specification V2.1 compliant
- ✧ CSR BlueCore4-External inside
- ✧ Complete Co-location and Co-existence with 802.11 (AWMA, AFH and SFH)
- ✧ RF output power class 2 with power control
- ✧ Supply Voltage 3.3V
- ✧ Internal crystal oscillator (26 MHz)
- ✧ Surface mount type: 28.0 x 14.5 x 2.0 mm
- ✧ Bluetooth enhanced data rate up to 2178kbps asymmetric
- ✧ Support for all Bluetooth power saving modes (Park, Sniff, Hold)
- ✧ μ -law, A-law and CVSD transcoders on SCO channel
- ✧ 13 or 16 bit linear, 8 bit μ -law or a-law PCM interface
- ✧ Full 8 to 128 bit encryption
- ✧ High receiving sensitivity (-83dBm)
- ✧ USB, UART and I2C interface
- ✧ 12 digital + 2 analog IO's for individual usage by embedded software
- ✧ 16 bit RISC core for embedded profiles or application software
- ✧ Power control
- ✧ Manufactured in conformance with RoHS

3. Applications

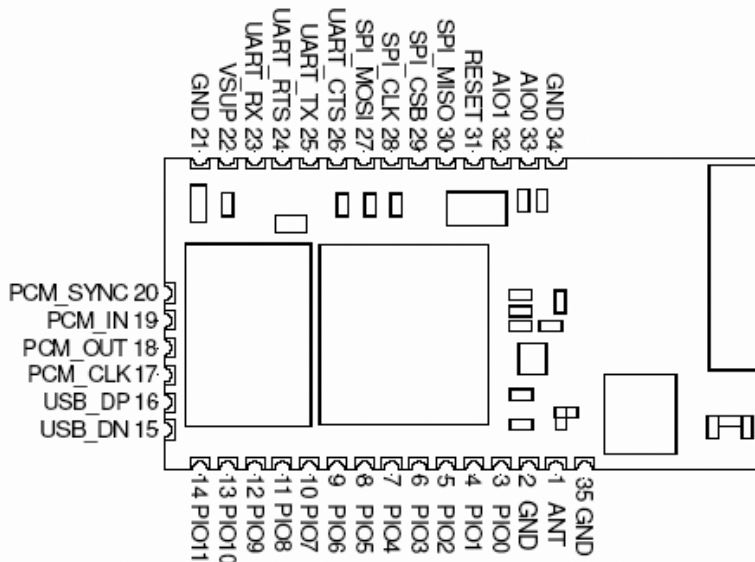
- ✧ **Cable Replacement Serial Point-to-point**
- ✧ **Cable Replacement Multipoint**

✧ **Terminal Server**

✧ **PC Client**

PCs, PDAs, Computer Accessories (Compact Flash Cards, PCMCIA Cards, SD Cards and USB Dongles), Access Points and Digital Cameras.

4. Pin Placement



5. Dimensions (in mm)

