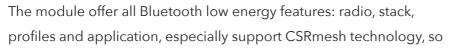




Bluetooth 4.1 Low Energy Modules

Overview

EH-MC10 series is a powerful, highly flexible, ultra-low power Bluetooth smart module base on CSR1010 SoC from Qualcomm(CSR). embedded 2.4GHz multi-protocol transceiver, and an integrated antenna; the EH-MC10 provides a complete RF solution allowing faster time-to-market with reduced development costs. The EH-MC10B adds antenna flexibility with a U.FL connector.



no external provides flexible hardware interfaces to connect sensors, simple user interfaces or even displays directly to the module. Carrying FCC, IC and CE certifications and Bluetooth qualification, the EH-MC10Series is ready to implement right away.



- Bluetooth 4.1
- +9 dBm Tx output power
- -92.5dBm Rx Sensitivity
- 128KB: 64KB RAM and 64KB ROM
- 50Kbytes of user App space
- 3 x Analogue IO
- 4 x PWM modules
- 1 x 10-bit ADC (shared IOs)
- 10 general purpose I/Os
- SPI for external Flash and debug
- Certification:BQB/FCC/CE/IC/RoHs
- Size: 17.7*11.95*1.6mm

Bluetooth Smart Features

- Master or Slave mode operation Including Encryption
- Channel Map Updates
- Connection Updates
- Broadcast DataGAP
- High-speed passthrough protocol
- Security Manager
- Tracking Protocol
- Attribute Profile
- I2C for EEPROM/external companion chips
- CSRmesh
- Wechat Connected

