

Bluetooth® Module

BC03-MM Class2 Stereo Module

BTM-130

This is a Bluetooth Class2 (max 4dBm) module. It is based on CSR Bluecore 3 (BC3)-MM chip set. It can support Bluetooth V2.0 system. The Embedded Kalimba DSP Co-Processor supports the advanced features such as echo cancellation, noise reduction and stereo audio (A2DP profile) communications. The integrated stereo DAC provide high quality audio performance with SNR up to 80dB. Support digital audio bus such as PCM, I²S or SPDIF.

The host Interfaces include USB and UART, that are programmable for data communication, module control or firmware upgrade. The powerful and flexible design allows the module to support HSP/HFP/A2DP/AVRCP SPP, PBAP, all kinds of Bluetooth profiles.

Features

- The module is a Max.4dBm(Class2) module.
- Bluetooth standard Ver. 2.0 conformity.
- Supply voltage 3.3V~4.2V
- Embedded Kalimba DSP Co-Processor
- Integrated 16-bit Stereo Audio CODEC
- Integrated with 8M bits flash memory
- Scatternet Support
- Support Host Interface: USB or UART
- Support Digital Audio Bus : PCM, I²S or SPDIF
- HSP/HFP/A2DP/AVRCP profiles support
- RoHS compliant
- Small outline: 14 x 12 x 2.2 mm

Outline



Applications

- Cellular Phone
- Cordless headset
- Echo Cancellation, Noise Suppression
- Stereo headphones
- Enhance Audio application
- Automotive Hands-free Kits
- High performance telephone headsets