

Bluetooth® Module

BC04-EXT Class2 Module

BTM-120

This is a Bluetooth Class2 (max 4dBm) module with meander line antenna. It is based on CSR Bluecore 4 chipset which can support Bluetooth V2.1+EDR standard. With regular SPP profile, the module can support maximum baud rate up to 921.6Kbps at its UART interface. The AT command set allows the host to configure the module or the communication parameters, which makes the module very flexible but easy to use. Beside of the SPP profile, the module is also suitable for data communication applications such as DUN, OPP, FTP, PBAP and HID. Voice applications such as HSP and HFP are also possible by using with external voice CODEC via PCM bus. USB interface is included which can be used as a USB to wireless UART converter.

The on board meander line antenna save the costs and eliminated the need of external matching network and, hence save the testing cost of production.

Features

- The module is a Max.4dBm(Class2) module.
- Bluetooth v2.1+EDR system.
- 3.0V to 3.6V operation
- Interface: USB, UART&PCM(for voice codec)
- Integrated with 8M bits flash memory.
- Integrated chip antenna
- RoHS compliant.
- Small outline. 25.6 x 14 x 2.4 mm.

Applications

- Access points
- Serial Adapter
- PDAs
- GPS, POS, Barcode Reader

Outline

