

## Bluetooth® Module

### Class1 BC04-ext Module

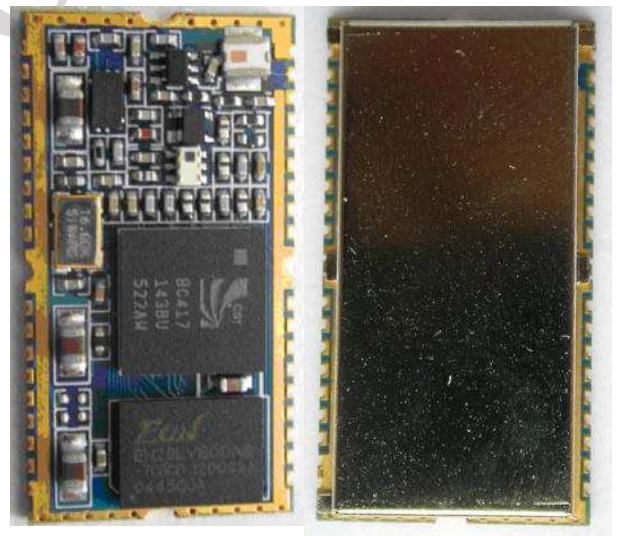
#### BTM-220

This is a Bluetooth Class1 module which can provide 80% wider coverage than regular class2 module. It is based on CSR Bluecore 4 chip set and on board RF power amplifier which can provide maximum output power up to 17dBm. The module 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 or firmware upgrade.

#### Features

- Bluetooth Ver. 2.1+EDR certification
- Transmit Power up to +18dBm(class1)
- Low current consumption:  
Hold, Sniff, Park, Deep sleep mode
- 3.0V to 3.6V operation
- Full Bluetooth Data rate over UART and USB
- Support up to 7 ACL links and 3 SCO links
- Enhanced Data Rate(EDR) compliant  
for both 2Mbps and 3Mbps modulation modes
- Interface: USB, UART&PCM( for voice codec)
- SPP,HSP/HFP,HID,HCI firmware are available
- Support for 802.11 Co-Existence
- RoHS Compliant
- Small outline: 28.2 X 15.0 X 2.8 mm

#### Outline



#### Applications

- Access point
- Domestic and Industrial applications
- Personal Digital Assistants(PDA)
- Serial Adapter
- GPS, POS, Barcode Reader
- Digital camera, Printer& Cellular phone
- Cordless handset