

Bluetooth® Module

Bluetooth Smart Ready® Module

BTM-320

This is a Dual-mode Bluetooth 4.0 Low energy module which can be connected to traditional Bluetooth radio products as well as the new generation of Bluetooth low energy devices. It is based on CSR8510 chip set which provide HCI application interface through UART that can be used in conjunction with a host controller who runs the specific Bluetooth stack software to fit various applications. Besides the UART interface, there is USB interface that allow the module to connect to a host system as Bluetooth dangle and hence enable it to communicate with new generation of Bluetooth low energy devices.

Features

- The module is a Max.6dBm module.
- Bluetooth standard V4.0+EDR conformity.
- No external regulators required for USB Supply operation.
- Low-power selectable 1.2 to 3.6V I/O
- Integrated balun
- Full_speed USB2.0 interface
- Hardware support for dual-mode Bluetooth low energy available
- Fast AGC for enhanced dynamic range
- Power-on-reset cell detects low supply voltage
- RoHS Compliant
- Small outline: 8 x 9 x 1.6 mm

Outline



Applications

- PC Notebooks, Netbooks and Desktops
- USB Bluetooth dongles
- Bluetooth designs requiring the USB interface and HCI interface