

## Bluetooth® Module

## Bluetooth Smart Ready® Slim Module

### BTM-300

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. The on board antenna eliminate the need of matching circuit on the main board and therefore save the costs of production test. 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

- 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 and printed PCB antenna.
- 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: 30 x6.5 x2.8 mm

#### Applications

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

#### Outline

