

## Embedded Bluetooth Development Board



### Superior Full-Duplex:-

The Bluetooth Application Kit provides all of the hardware and software necessary to develop a Bluetooth application. The Application Kit includes an RCM 3100, Embedded Blue eb506-AHC-IN Bluetooth Radio Module, prototyping board and miscellaneous cables and hardware. The Application Kit also includes the Dynamic C Integrated Development Environment, Bluetooth drivers, libraries, sample programs and manuals.

### Technical Specifications :-

- > Embedded Blue™ Bluetooth Radio Module with Bluetooth stack
- > Open field range of 10+ meters
- > Low current consumption for long battery life
- > 2.4GHz Frequency Hopping Spread Spectrum (FHSS) technology ensures
- > Based on MCS51 processor at 11.059 2 mhz clock,
- > 64k Flash memory,
- > 32 Digital I/O With realtime clock ,
- > E2PROM 4K (support I<sup>2</sup>C bus)
- > Sample programs and experimental manual serial port
- > On board stepper motor interface,
- > On board LCD display,
- > On board (LM35) temp sensor with ADC 804 provision
- > On board relay & buzzer interface for switching devices through Bluetooth.
- > With Bluetooth Dongle .

### Features and Benefits:-

- > Bluetooth radio modules plug directly into supported RCM's and SBC's
- > Simple serial UART communications and control
- > Seamless connectivity with any Bluetooth device
- > 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference
- > Low current consumption for long battery life
- > Complete with sample applications and source code
- > Internal Surface-mount antenna



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