

## BLUETOOTH RADIO MODULE APPLICATION KIT

Bluetooth Application Kit The Bluetooth Application Kit provides all of the hardware and software necessary to develop a Bluetooth application. The Application Kit includes an RCM3100, EmbeddedBlue 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.

### Features and Benefits:

- Bluetooth radio modules plug directly into supported RCMs and SBCs
- 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.

Features	EmbeddedBlue eb506-AHC-IN
<b>Transmit Power</b>	4dBm (max) class 2 operation
<b>Open Field Range</b>	More than 50 meters (164 feet)
<b>Receiver Sensitivity</b>	-85dBm
<b>Operating Temperature</b>	0° to 70° C
<b>Supply Power</b>	3.3 VDC
<b>Interfaces</b>	3.3 V logic level UART Baud rate: 9.6 k – 230.4 k
<b>Connectors</b>	Two 17-pin 2 mm headers
<b>Antenna</b>	Internal surface mount
<b>Bluetooth Support</b>	Version 1.2 compliant (L2CAP, RFCOMM, SDP, SPP)
<b>Firmware</b>	Upgradeable via PC application



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-1040	Bluetooth Application Kit	339.00

## WI-FI (802.11B) APPLICATION KIT

Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system. Wireless connectivity eliminates Ethernet cables allowing for greater flexibility and mobility of wireless embedded Networks.

Z-World's Wi-Fi Applications Kit provides all the tools necessary to sample and design communications from a Rabbit-based device to a WiFi-enabled device (i.e. PC Laptop or any device using a Compact Flash based Wi-Fi card). The libraries and sample programs allow for a Wi-Fi card to send and receive data to/from a RabbitCore module (RCM) over a wireless connection. The RCM can also send/receive email from any PC or device with a compatible Wi-Fi card. The Wi-Fi Applications Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack.

### Features and Benefits:

- Kit developed w/ LinkSys WCF12 Wi-Fi Card
- Other compatible Wi-Fi cards are Sandisk, Netgear, SMC, and D-Link
- 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.

Features	Wi-Fi Application Kit
<b>Microprocessor Core Module</b>	RCM3100 RabbitCore module @ 29.4 MHz
<b>Prototyping Board</b>	Standard RCM3100 Prototyping Board
<b>Serial Ports</b>	RS-232 (2 3-wire or 1 5-wire). Additional CMOS ports available on RCM3100
<b>Protocol</b>	IEEE 802.11b (Wi-Fi) 11Mbps, 2.4 GHz
<b>Compact Flash Connector</b>	Type 1 Compact Flash Adapter: I/O CF based 802.11b Dual 2 x 17, 0.1" pitch socket strip
<b>Software Compiler</b>	Dynamic C with TCP/IP stack



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0911	Wi-Fi (802.11b) Application Kit	599.00
694	101-0997	Wi-Fi add on Kit for RCM3000-3360	199.00
694	101-0998	Wi-Fi add on Kit for RCM3400	199.00
694	101-0999	Wi-Fi add on Kit for RCM3600-3700	199.00
694	101-1000	Wi-Fi add on Kit for PowerCore Flex	199.00