

Embedded RFID Products and Wireless Application Kits

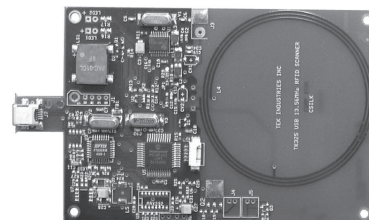
TEK Industries, Inc. is a technologically advanced corporation dedicated to providing tomorrow's solutions today through innovation and technology. An innovative RFID and contract manufacturing company, TEK is a technologically advanced corporation dedicated to the design and development of custom electronic products for a vast range of applications. As a dynamic small business in the RFID and Auto-ID market, TEK offers stationary and mobile RFID readers along with a complete active tag system.

MOUSEMAT BARE BOARD

The TEK Mousemat is a custom-designed RFID reader/writer capable of reading and writing to the industry standard 13.56MHz tags. The Mousemat was originally designed for a large supply chain application. It attaches to the computer through a USB port. Applications for the Mousemat include order entry, computer security and inventory control. Software source files are free and available for developers upon request. USB cable not included.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each		
			1	10	25
705-720010-B	720010-B	Mousemat RFID Scanner 13.56MHz	161.63	156.45	154.99



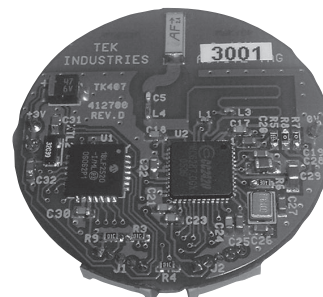
Mousemat Bare Board

Z-TAG (ROUND TAG)

This compact 1.4" diameter PCB includes a holder for a single 3V lithium coin cell. The Z-TAG is intended as a complete minimal low power radio module for monitoring or active tagging applications. It has CC2420 plus PIC18LF2520 in a tiny package with ceramic antenna. This runs the 3.5 stack with enough resources for a basic RFD. The Z-TAG has three spare IO lines brought to a header for remote control or monitoring applications. The tag can easily accommodate a memory size of 128Kbytes.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each		
			1	10	25
705-750190	750190	Z-Tag Includes Antrna Battery and Holder	31.24	30.24	29.99



Z-Tag

Z-RADIO SYSTEM

Z-USB Interface:

This is a USB interface for connecting the radio network to a laptop or PC. The PCB is 1.1" x 2.1". A mini-USB port is built into the board for easy networking with a computer or PC. Using the FTDI FT232R chip, PIC 18LF2620 and CC2420, the Z-USB can run the Microchip 3.5 stack coordinator or RFD and is self-powered from the USB. Use with a standard mini-USB cable.

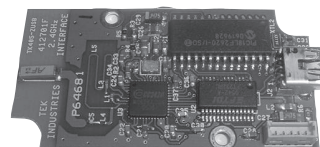
Z-Link Interface:

This is a slightly larger PCB, measuring 3.3" x 2.2". It has a battery holder for 3xAAA cells on the back and a DC supply jack. The Z-LINK uses the PIC18F66J10 plus CC2420, folded PCB dipole antenna. The Z-Link also has an RS232 interface and fits into a readily available Hammond enclosure. The Z-LINK can run RFD, FFD, Coordinator, or Router. PIC is a trademark of Microchip Technology Inc.

2.4 GHz Interface

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each		
			1	10	25
705-750200	750200	Z-USB 2.4 GHz Interface	35.00	33.88	33.60
705-750210	750210	Z-Link 2.4 GHz Interface	34.99	33.87	33.59



Z-USB Interface

Development Kit

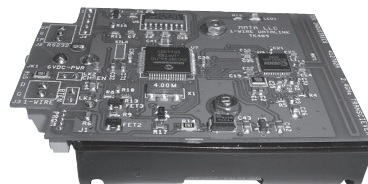
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each
705-750190-DEV	750190-DEV	Development Kit	54.94

Adaptor Bare Boards

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each		
			1	10	25
705-750170-B	750170-B	Freedom RFID 134.2kHz	461.63	446.85	443.16
705-750180-B	750180-B	Freedom RFID 13.56 MHz	461.63	446.85	443.16



Z-Link Interface

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



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