ETRX35x Development Kits

Image not shown actual size; enlarged to show detail.

Devkit Features

- ZigBee Networking "Out-of-the-Box"
- Low cost evaluation platform for ZigBee wireless mesh networking
- Designed to set up a ZigBee mesh network in only a few minutes without the need for any embedded software
- The freely downloadable Telegesis Terminal Software application offers an easy to use interface to the modules on the development boards.
- Also works with 3rd party terminal software like HyperTerminal.
- Broad selection of modules allows range testing of any possible module/antenna combination.
- Seamlessly Integrates into the Ember InSight Toolchain
- Development boards can be used as hardware platform for trials
- Battery option allows easy prototyping of end devices
- USB Drivers available for Windows, MAC OS and Linux from www.telegesis.com

Development Kit Contents

- 3 x USB Development Boards
- 3 x USB Cable
- 2 x ETRX35x on Carrier-Board
- 2 x ETRX35xHR on Carrier-Board
- 2 x ETRX35x-LR on Carrier-Board
- 2 x ETRX35xHR-LR on Carrier-Board
- 1 x ETRX2USB stick
- 2 x Large Antenna
- 2 x Small Stubby Antenna

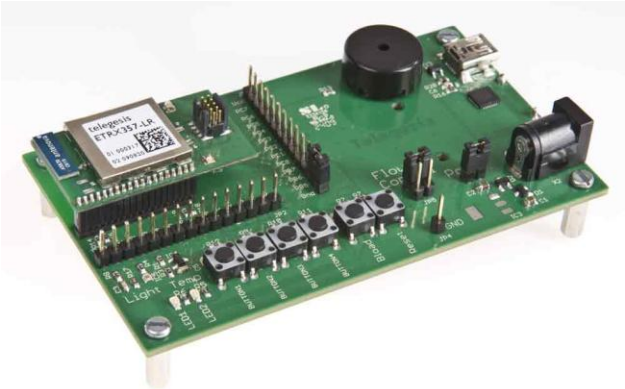
Module Features

- Based on the Ember EM351 and EM357 single chip ZigBee™ / IEEE802.15.4 solutions
- 2.4GHz ISM Band
- Industries first ARM® Cortex-M3 based family of ZigBee modules
- 192kB (ETRX357) and 128kB (ETRX351) flash and 12kbytes of RAM
- 24 general-purpose I/O lines including analogue inputs (all GPIOs of the EM35x are accessible)
- Lowest Deep Sleep Current of sub 1µA and multiple sleep modes

The two Telegesis ETRX351-DVK and ETRX357-DVK development kits are an ideal starting point for development and evaluation of the ETRX351 and ETRX357 low power 2.4GHz ZigBee modules.

The ETRX351 and ETRX357 are based on the third generation Ember EM351 and EM357 chipset offering the industry's highest wireless networking performance and application code space at the lowest power consumption.

The modules' unique AT-style command line interface allows designers to quickly integrate ZigBee technology without complex software engineering. For custom application development the ETRX35x development kits integrate with ease into Embers InSight development environment.



Development Board Features

- Power can be supplied via USB, Power Jack or on board battery holder (2xAAA)
- Access to the Ember InSight Port
- Light and Temperature sensor
- 4 x Buttons, 2 x LEDs, 1 x Buzzer
- Reset and Bootload Button
- USB to Serial converter
- Breakout of all GPIO pins

Example AT-Style Commands

AT+BCAST	Sends a Broadcast
AT+UCAST:<address>	Sends a Unicast
AT+EN	Establish PAN network
AT+JN	Join PAN

Abbey Barn Business Centre
Abbey Barn Lane
High Wycombe
Bucks, HP10 9QQ
United Kingdom
Tel: +44(0)1494 510599
Fax: 44(0)5603 436999
Email: sales@telegesis.com

www.telegesis.com