ETRX2DVKP – (ZigBee Technology)

Module Development Kit

The Telegesis ETRX2DVKP Development Kit has been designed to enable fast and simple evaluation and development of the low cost, low power, ZigBee meshing solution provided by the ETRX2 module.

DEVELOPMENT KIT FEATURES

The ETRX2DVKP Development Kit provides genuine and easy serial access to the AT-Command line and all the I/O's of the ETRX2 module connected to the Development board.
The second enclosed module is intended for use in prototyping. The ETRX2DVKP kit is ideal for design engineers with a good understanding of ZigBee looking to integrate wireless mesh networking straight into their prototypes, or for use as a modular supplement to the ETRX2DVKA Development kit.

Using the comprehensive Telegesis AT style Command line interface and the simple to use Telegesis Terminal software package provided, the ETRX2DVKP offers a low cost, high value tool to use when working with Telegesis ZigBee technology.

Once the Development board is connected and the ETRX2HW module is mounted, simply select your chosen commands from the AT command dictionary and enter them into the Telegesis Terminal software – obtainable free from www.telegesis.com

Unlike many other module command layers the Telegesis AT-Style command set fully mirrors the functionality of the on-board EmberZNet mesh networking stack. With the ETRX2 module there is therefore no requirement for any embedded firmware expertise when engineering your mesh networking solution.

DEVELOPMENT KIT CONTENTS

- 1 x ETRX2DV Development Board.
- 1 x ETRX2HW Module with a fitted Harwin 1.27mm pitch, 10 x 2 connector.
- 1 x ETRX2.
- 1 x USB cable.

THE ETRX2DV DEVELOPMENT BOARD

- Board Dimensions 100mm x 80mm.
- USB to Serial Bridge.
- On Board 3.3V Voltage regulator, powered from the USB bus.
- Virtual com port on the PC created by driver, allowing easy access to the AT-Command interface.
- Breakout of selected pins of the ETRX2 modules.
- 4 LED's, 4 buttons, 2 potentiometers and a beeper which can be connected to the I/O of the ETRX2 module.
- SIF Interface for programming and real time debugging of custom firmware.
- The ETRX2 Module is connected to the Development board by the Harwin 1.27mm pitch surface mount header allowing a plug-in solution.
- Reset and Bootload button.

Once connected, select your chosen commands from the AT style Command Dictionary and type them into the Telegesis Terminal software – obtainable free from www.telegesis.com

ZigBee® Alliance
Wireless Control That Simply Works

Telegesis, Marlow Business Centre, 84 Station Road, Marlow, Bucks, SL7 1NX, United Kingdom
Telephone: +44 (0) 1628 894347 | Fax: +44 (0) 1628 894333 | Email: sales@telegesis.com