

#1 ZigBee™ Technology Provider in Europe



ZigBit™ Development Tools

Easy-to-use Tools to Evaluate Modules and Develop Applications

MeshNetics offers the developers easy-to-use tools to evaluate the ZigBit 802.15.4/ZigBee module, and develop a module-based wireless solution. **Evaluation Kit** is a convenient way to assess range performance and power consumption of modules in the field. On top of this functionality, **Development Kit** also enables developers to write custom embedded applications using eZeeNet API. Each kit includes evaluation boards with sensors, accessories, software and documentation.

ZigBit Evaluation Kit (ZEK)

Free 45-Day Trial of Development Software



Evaluation Kit Contents:

- 3 x MeshBean evaluation boards with sensors
- 1 x ZigBit module mechanical sample
- 3 x AC power adaptors with cords
- 3 x USB cables
- 2 x RS232 cables
- 1 x software & documentation CD



MeshBean Evaluation Board

- Features ZigBit OEM module with PCB-printed antenna
- Supports standard extension connectors
- Includes temperature, light sensors and other peripheral devices on board

eZeeNet: A Robust IEEE802.15.4/ZigBee Software Stack

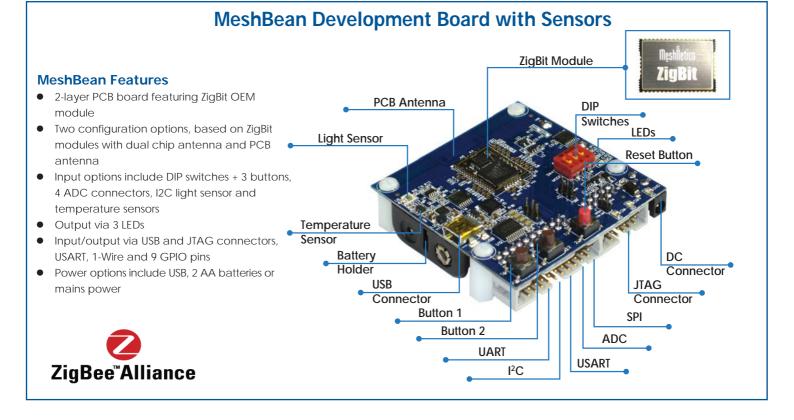
- Conforms to ZigBee 1.0 specification
- Tailored for easy-to-use networking in sensing, control, monitoring and data acquisition applications
- Supports mesh and tree network topologies

SerialNet: Serial AT Commands for Easy Application Prototyping

- Layered on top of eZeeNet IEEE802.15.4/ZigBee software stack
- Allows programming the board through AT-command serial interface
- No need to program the MCU directly
- Easy evaluation of eZeeNet stack functionality via AT-commands

WSN Monitor: Software for Sensor Networks Visualization

- Visualizes typical data acquisition scenario
- Allows easy evaluation of range and network performance, incl. self-healing feature
- Supports visualization of network topologies
- Allows remote network configuration from your PC



Meshietics

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ZigBit™ Development Kit (ZDK)



Developer's Tools to Create Custom Applications

- Open source HAL to provide full programming support and integration of 3rd-party sensors selected by developer
- Sample applications to bootstrap application development
- ✓ Intuitive development environment from Atmel
- Support for client-programmed applications with direct access to ZigBee embedded software stack, i.e. eZeeNet and HAL (100% ANSI C99)
- ✓ Convenient reference drivers and APIs for UART, I2C, ADC, and 1-wire interfaces

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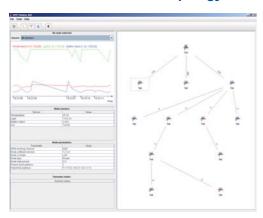
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- Supports mesh and tree network topologies
- Provided as library objects with full API specification in headers

WSN Monitor: Network topology view



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NOTE: Options exclusive to the Development Kit have checkmarks next to them

Ordering Information

ZigBit Development Kit

ZigBit Evaluation Kit Part Number: ZEK-A1281 Description: 2.4GHz IEEE802.15.4/ZigBee™ Evaluation Kit

Pärt Number: ZDK-A1281 Description: 2.4GHz IEEE802.15.4/ZigBee™ Development Kit ZigBit Module Samples*

Part Number: ZDM-A1281-B0 Description: 2.4GHz IEEE802.15.4/ZigBee™ OEM Module w/Balanced RF Port

Part Number: ZDM-A1281-A2 Description: 2.4GHz IEEE802.15.4/ZigBee™ OEM Module w/Dual Chip Antenna MeshBean Development Boards*

Part Number: WDB-A1281-P1 Description: Sensor Evaluation Board w/ZDM-A1281-B0 Module

Part Number: WDB-A1281-A2 Description: Sensor Evaluation Board w/w/ZDM-A1281-A2 Module

 * - Additional MeshBean boards and module samples can be ordered separately

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