

Features

- ◆ IEEE 802.15.4 PHY Evaluation of ZMD44102
- ◆ RF Characterization of 868MHz to 928MHz
- ◆ USB Interface
- ◆ Intuitive User Interface
- ◆ Configuration Tool
- ◆ Network Demonstration
- ◆ Creation of Wireless Applications
- ◆ ZMD's TSic™ Integrated Temperature Sensor

Description

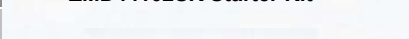
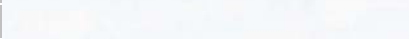
The ZMD44102SKB Starter Kit Bundle (SKB) enables detailed evaluation of the ZMD44102 RF Transceiver using a simple Graphical User Interface (GUI) and provides basic communications software for application development. The SKB includes a development tools CD and a debug adapter for code compilation and installation. Also included is the Daintree Sensor Network Analyzer Basic Edition, custom-tailored to ZMD's SKB, which allows the designer to capture and evaluate IEEE 802.15.4 frame packets. Technical documentation for the ZMD44102 RF transceiver and the TSic™ temperature sensor is included.

The SKB's GUI includes a configuration tool to enable designers to control the ZMD44102 registers and establish a star network. The inclusion of ZMD's TSic™ temperature sensor provides a real-world example of a wireless sensor network. Network performance can be assessed using metrics, including LQI, RSSI, and Packet Success Rate.

Test Functionality

- ◆ **Physical Layer**
 - Range Performance
 - Barrier Penetration Performance (attenuation)
 - Transmitter Evaluation
 - Channel Characteristics
 - Register Access
 - CW Evaluation
 - PN Evaluation
- ◆ **Network Demonstration**
 - Prototype Network Development
 - LQI Evaluation
 - RSSI Evaluation
 - Packet Success Rate
 - ZMD's TSic™ Temperature Sensor
- ◆ **Application and Script Creation**
 - Register Access
 - Limited Compiler
 - Flash Tool

NOTE: The Starter Kit is available without the development environment for basic RF characterization (ZMD44102SK).

ZMD44102SKB Starter Kit Bundle	ZMD44102 Starter Kit Contents	SKB	SK	ZMD44102SK Starter Kit
	RF Board	3	2	
	RF Antenna	3	2	
	USB Cable	2	1	
	Battery Pack	2	1	
	ZMD Setup & Documentation CD	1	1	
	Daintree Sensor Network Analyzer	1		
	Development Tools CD	1		
	Debug Adapter	1		
	Customer Cost per Kit (USD)	\$399	\$199	

For more information:

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