SAN JUAN
S O F T W A R E

YOUR GUIDE TO WIRELESS SENSOR NETWORKS

Intensive ZigBee Training on Freescale BeeStack Platform

ZigBee® Wireless Control that simply works. The objective is to make ZigBee simple to the end customers that use it. Considering the many facets of ZigBee and the complications of wireless, fulfilling that promise is not an easy task. San Juan Software offers training programs that can help you deliver. Our customers have told us that they have cut months out of the learning curve with our two-day training sessions. Our trainers are the ZigBee experts who created Freescale™ BeeStack™ and BeeStack Pro. They are experienced in ZigBee development, active in the ZigBee Alliance and its specification. San Juan Software is the official ZigBee trainer for Freescale.

On-Site Custom Training Most effective for development teams that have decided to implement ZigBee, San Juan Software offers a two day, custom tailored, hands-on training program on the Freescale™ BeeStack ZigBee™ solution at your facility. A highly knowledgeable, qualified instructor will come to your location and provide training for your development team (up to 12 engineers). Invite your sales and marketing team in for an overview of ZigBee product benefits, licensing requirements and capabilities. The instructor will interview your team lead to determine which aspects are most critical and use a detailed explanation with flow diagrams on specific topics that are relevant to your applications.

Training Road Show San Juan Software is now scheduling a series of hands-on trainings in cities throughout the United States, for individual developers who want to learn about ZigBee and become proficient in building ZigBee applications on the Freescale BeeKit platform.

ZigBee™ Partner of the Year
Wireless Developer Network

freescale semiconductor

ZigBee® Alliance
Wireless Control That Simply Works

Objectives   Gain proficiency in writing ZigBee applications with BeeKit™ and IAR® Embedded Workbench for ARM (EWARM) development environment for the Freescale MC1322x Platform in a Package with an ARM 7 microcontroller and transceiver on the ZigBee and ZigBee Pro feature sets.

Learn to setup a full ZigBee network using the Freescale 1322x development kit, understand examples of applications provided in the class, which portions of pre-existing applications may be used as the basis of a new application, and the components required for a new ZigBee application.

Your team will learn about additional tools such as the Daintree™ Sensor Network Analyzer as well as additional resources available to expand information about ZigBee and IEEE 802.15.4 and learn about ZigBee profiles and certification.

Target Audience   The training is designed for technically oriented development teams proficient in C programming. No experience with EWARM® is necessary, although experience with an Integrated Development Environment (IDE) is helpful. Non-technical staff may be interested in the overview of ZigBee as well as the certification process.

Sample ZigBee Training Agenda

First half day: Overview of ZigBee Alliance, markets, technology and use cases. PowerPoint™ presentation on architecture, device types and development boards.

Second half day: Hands-on training to bring up an initial ZigBee network using BeeKit™, EWARM complete with custom training application.

Third half day: Delve deeper into ZigBee technology, including clusters, attributes, and profile IDs and endpoints, and deployment. An overview of ZigBee Pro includes stochastic addressing, symmetrical routes, many-to-one route discovery, source routing, multicast and high security.

Fourth half day: Discuss OEM ZigBee certification process. Hands-on with sophisticated debugging and development tools. Learn where to go for more information.

Cost   The cost for on-site custom training is $7,995 for two days for up to 12 developers. Additional staff members are welcome to learn about ZigBee from an overview. Travel expenses of the instructor are included in this price for the USA. We ask that you provide a training room, LCD projector, and developer work stations for each participant of the hands-on portion of the training. Contact us to arrange scheduling. For an additional $2,500 we will provide laptops, JTAG pods, development boards and a second person as a proctor to help get individuals back on track.

The cost for individual training is $1,295 for two days with laptops, BDM pods, development boards and a proctor. The trainee will be responsible for travel expenses if they attend in a city away from home. You must register in advance.

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