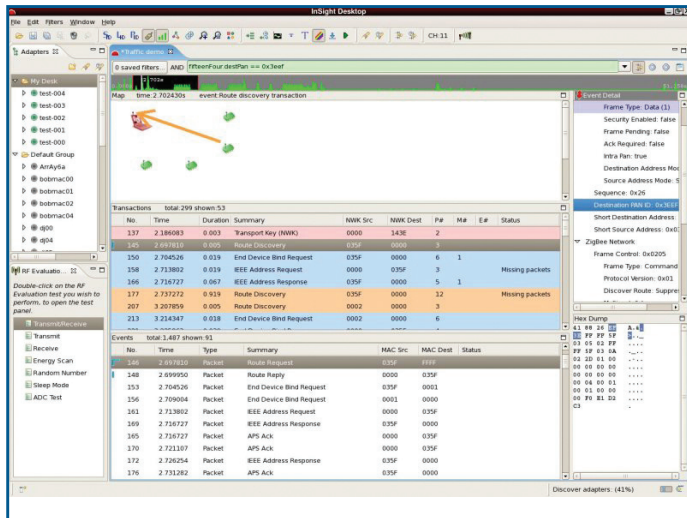


Ember InSight Desktop

ZigBee Network Development and Debugging Tool

Tools

Fact Sheet



Combines the extensibility of industry-standard Eclipse with Ember's expertise in building reliable, secure, easy-to-use embedded wireless networks.

The InSight Development Environment enables customers and OEMs to accelerate the creation of Ember-enabled system software and applications. The extensive tools have been specifically designed to work with the next generation chips and software products from Ember, including the EM300 Series chip family, EM250 ZigBee on a chip solution, the EM260, network co-processor, and the EmberZNet PRO ZigBee protocol stack. Integrating the tools into one common user interface dramatically improves product development and debugging schedules, enabling a rapid time to market while minimizing development costs. Eclipse, the open sourced embedded software standard allows customers to easily extend InSight Desktop, the PC interface to the InSight Development Environment, by easily plugging in third party tools that are also based on Eclipse.

Product Description

The InSight Development Environment is an all-inclusive Development Suite including Networking Tool, Processor Development tool, Network Wide Visualization & Analysis Tool and Node Control Tool, bundled into a seamless, graphical environment.

From within InSight Desktop, developers can seamlessly discover and connect to their target devices over a TCP/IP network using Ember's unrivaled Ethernet Backchannel Technology. From there they can easily control their application, upload firmware, collect debugging information including packet traces, API traces, and custom debug printf statements, all across multiple devices simultaneously. Built-in protocol analysis and traffic visualization engines allow developers to correlate events occurring on their devices with network communication events, resulting in dramatic order-of-magnitude reductions in development and debugging times.

Features

- Designed to work with EM250 & EM260 and the EM300 Series Networking Systems
- Makes it easy to develop wireless, embedded networking applications
- Seamlessly integrate with target embedded hardware

Network Debug

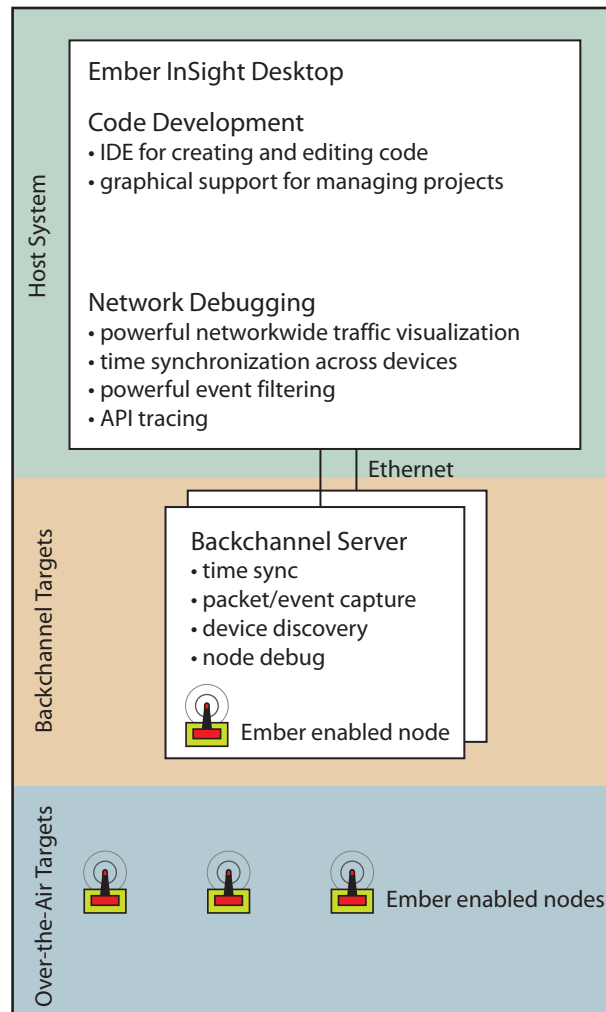
- Powerful Network Wide traffic visualization engine
- Effortless and non-intrusive packet capturing
- Time Synchronization between nodes
- Flexible Event Filtering
- Network Wide API Tracing
- Gives you the ability to rapidly download and execute your code to all nodes at once
- Analyzes both standard and customer specified protocols

Benefits

- Reduces development costs & time to market
- Visualize your network to optimize and enhance performance
- Standard platform speeds addition of new features
- Extensible platform allows easy integration of custom enhancements
- Applications are more reliable and robust
- Development learning curve is lower due to integrated environment

System Requirements

- Target System Requirements
- Ember Development Kit
- Ethernet connection to the Host System
- Host System Requirement
- Intel Pentium-class processor
- 256 MB (or better) RAM
- 200 MB disk space
- Ethernet connection to the target system
- Windows XP Pro
- Java Runtime Environment 1.5 or greater



About Ember

Ember Corporation (www.ember.com) develops wireless mesh networking technology — chips, software and tools — for Smart Energy, connected homes, and many other monitoring and control applications enabling greener living and work environments. The Boston-based company is a promoter of the ZigBee Alliance with an IC design center in Cambridge, England, an office in Hong Kong and sales channels and distributors worldwide.

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