



ZDB 2.0

Easy and wireless Home
Automation by CLEODE



ZigBee® Evaluation Board

Functional description

The ZigBee® evaluation board can rapidly implement applications using ZigBee® technology.

On a small area, the evolution board provides direct access to the connectors in the form of input/output module for programmable Zbee of CLEODE and a SMA antenna connector for adding an external antenna 2.4 GHz

The ZigBee evaluation board is intended primarily for users developer with knowledge of Linux, Unix, C language and electronics.

Specifications

Key Features

- CC2530 Texas Instruments
- Operating frequency 2,4 GHZ
- IEEE 802.15.4 standard
- 14 Inputs/Outputs available
- Programming port
- Extension SMA port for external antenna (not supplied)
- Compliant with the Stack Pro 2007 "Home Automation" Public Profile and "Smart Energy" Profile

Conformity



Meets European consumer safety, health and environmental requirements.



Meets the Home Automation Public Profile standard established by Zigbee alliance.

Technical Data

Weight	5 g
Power	3V
Consumption	< 2µA in idle
Input sensibility	-98 dBm
Output power	+3,3 dBm
Range (outdoor)	100 m at 1 dBm 200 m at 3,3 dBm

A complete offer for your projects

Customized solutions

Consultancy

CLEODE has unique expertise in the design and implementation of ZigBee® product.

With a partnership with Texas Instruments around its components ZigBee® and ZigBee Alliance member®, CLEODE optimizes, enriches and develops its products in accordance with standards.

CLEODE advises clients in the phases of engineering and design as industrialization or in systems installation.

Engineering

Leveraging our core products ZBee, Library ZCL, CLEODE designs and develops customer-specific management modules for both prototyping and industrialisation applications.

Areas of expertise:

- Electronics (diagram / routing / manufacturing file)
- Software (embedded / interface / HMI)
- Mechanical (CAD / Manufacturing / Packaging)

White label

CLEODE markets its products under its own brand or white label. On request it is possible to customize some products to best fit your business constraints.

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