



SDK SOFTWARE

Easy and wireless Home Automation by CLEODE



SDK ZigBee® DevBee™

Descriptif fonctionnel

DevBee™ is a development kit targeting users and developers of ZigBee™ wanting to fast generate a wireless mesh home networking based on ZigBee™ protocol and the IEEE 802.15.4 standard without specific knowledge of the ZigBee stack.

This DevBee™ contains a ZCL library that provides a higher level API.

This ZCL library provides, in C/C++, JAVA or C#, the following functionalities:

- ⤴ Automatic Network discovering of all the devices,
- ⤴ High ZCL level functions to read and write attributes, manage reporting, bindings and groups,
- ⤴ Provides all the ZigBee definitions (smart energy, home automation, cluster library, ...)
- ⤴ Software actions to control ZigBee devices, to send e-mail and SMS

This library makes ZigBee use very easy. You focus on your application, not on the serial protocol between our UBee and a PC or Box.

Specifications

SDK description

- A ZigBee® coordinator : UBee Nano
- A ZigBee® plug : ZPlug Boost
- A ZigBee® remote control : ZRC
- A CDrom with :
 - A binary library, LibZCL :
 - C/C++ or
 - Java, or
 - C#
 - A ZigBee® network management : CleoBee™
- Compliant with the Stack Pro 2007 "Home Automation" Public Profile.

Conformity



Meets European consumer safety, health and environmental requirements.



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

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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