ZBEE 5.0

Easy and wireless Home Automation by CLEODE

3 700571 800098

OEM ZigBee® Module
Functional description

The product Zbee is a model OEM RF Le produit ZBee est un module OEM RF in conformity with the IEEE 802.15.4. standard.

Designed to integrators of solutions, the module enables rapide development of hardware solutions (objects, controllers, ect,..), without worrying about the implementation of the wireless and ZigBee® satndard. With its small footprint, it can be integrated into any type of material (Box, sensor, actuator, ect...)

The module allows to integrate a ZigBee® stack complying with the standard ZigBee® pro 2007 and create complex mesh networks.

Low-energy, it is designed to oprerate on batteries (lithium, AAA, etc.)

Specifications

Key Features

- OEM module
- Operating frequency 2,4 GHZ
- IEEE 802.15.4 standard
- 14 Inouts/Outputs available
- Compliant with the Stack Pro 2007 "Home Automation" Public Profile and "Smart Energy" Profile

Conformity

C E   Meets European consumer safety, health and environmental requirements.

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

Technical Data

Weight	2 g
Power	2,4V à 3,6V
Consumption	< 2µA in idle mode
Input sensitivity	-98 dBm
Output power	+3,3 dBm
Range (outdoor)	100 m at 1 dBM 200 m at 3,3 dBm
Measurement	19/17,8/2,4 mm

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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