

# ROK 101 007/1 Bluetooth Module

## Description

ROK 101 007/1 is a short-range module for implementing Bluetooth functionality into various electronic devices. The module consists of three major parts that are mounted on a PCB: a baseband controller, a flash memory, and a radio that operates in the globally available 2.4-2.5 GHz free ISM band. Both data and voice transmission is supported by the module. Communication USB interface compliant with USB Specifications 1.1 or an UART/PCM interface. When using the USB interface, the module appears as a USB slave device and therefore requires no PC resources.

## Key Features

- Oddm Output Power
- Built-in shielding
- Separate supply rail for the I/O ports
- Internal crystal oscillator
- No need for a modulator input since the baseband signal is generated internally
- Supplementary USB signals for wake-up and detach control
- Multiple interfaces for different applications
- -UART for data
- -PCM for voice
- -USB for voice and data
- HCl firmware included
- Approved for global use (FCC,ETSI)
- Pre-certified Bluetooth 1.0A Module

## Suggested Applications

- Portable computers
- Handheld devices
- Cameras
- Computer peripherals
- Mobile phone accessories
- Interfaced to the fixed line access network

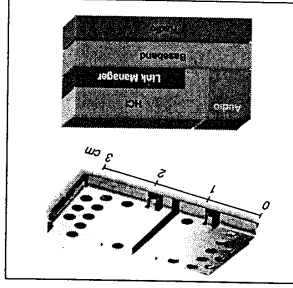


Figure 2. Actual size of the Ericsson Bluetooth Module, and also showing the HW and FW.

Figure 1. Block Diagram

