


Bluetooth™ System Module

Key features

- A small and complete class 2 Bluetooth System
- Forms full Bluetooth functionality with only the addition of an antenna
- Point to Multipoint, 7 slaves
- Power management: PARK, SNIFF & HOLD as well as system power saving
- Excellent high signal level performance in-band
- Exceptional out-band  jacking in all GSM bands.
- Multiple interfaces USB, UART, PCM, Bidirectional serial interface/GPIO
- Capability of embedded solutions
- Pre-qualified to Bluetooth spec. 1.1
- FCC & ETSI type approved



Description

The Bluetooth System Module ROK 104 001 is a complete FCC & ETSI type approved product for fast implementation, cutting your time-to-market. It is a compact and cost effective radio/baseband module that can be implemented in any kind of electronic device. In standard configuration the module includes a baseband processor with 4-8 MBit Flash memory, a radio solution, interfaces to antenna and application, supporting circuitry, together with basic Bluetooth software for signaling at HCI level (Host Controller Interface).

The antenna filter is specially designed for application in GSM environment such as inside a mobile phone. The ROK 104 001 also has a very high threshold for high signal levels in-band, which makes it very suitable to be in an IEEE 802.11b environment.

As the ROK 104 001 is a generic product, it can be used for many different types of application that require Bluetooth capability such as

- Computers and peripherals
- Handheld devices and accessories
- Access points and Home base stations
- Applications where short time-to-market is required

Supported Bluetooth profiles

- Generic Access Profile
- Service Discovery Application Profile
- Serial Port Profiles
 - Dial-up networking, Fax, Headset
- Generic Object Exchange Profiles
 - File transfer, Object Push, Synchronization