

BlueSense Easy

The cable replacement solution

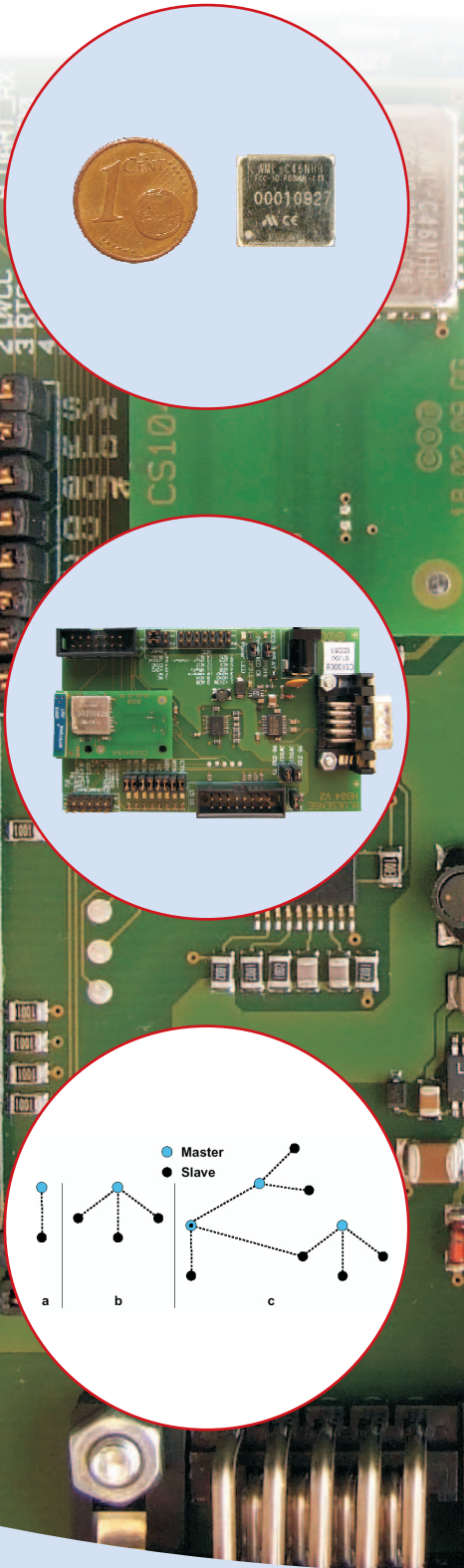
BlueSense Easy is a miniaturized Bluetooth module for the simple integration of a serial Bluetooth communication system in your own applications. The Baud rate for the UART communication can either be configured via commands or via I/O pins. The BlueSense Easy can be operated both as a master or a slave and achieves data transmission rates of up to 230.4 kbps.

Not only its small size (11.8 x 12.6 x 1.9 mm) and low current consumption (e.g. max. 1.4 mA in "connectable" state) makes it special, but also its flexible fields of application: The communication protocol allows the use in medical and safety-critical areas and provides the Serial Port Profile (SPP), the Dial-Up Networking Profile (DUN) and a simplified Object Push Profile (OPP).

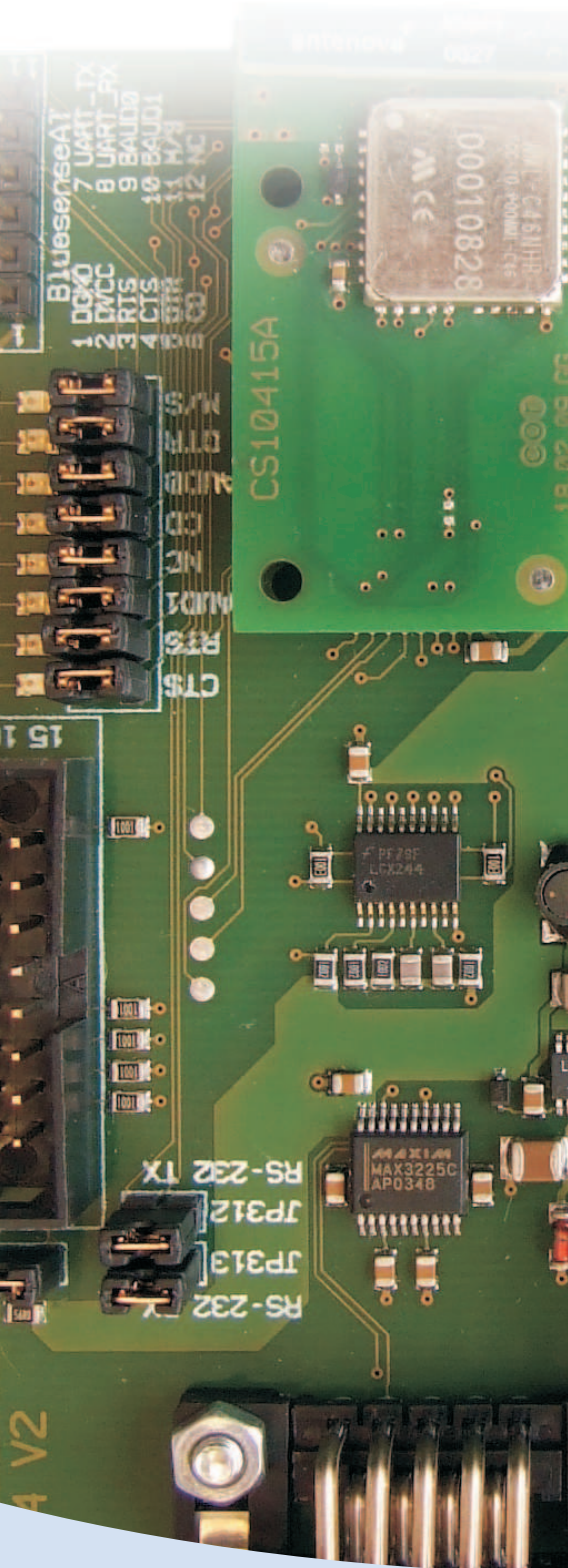
After the connection has been established and any necessary pairing processes have been completed, data is exchanged between the master and slave. You can quickly and inexpensively retrofit your own application with BlueSense Easy without having to become familiar with the technical details of Bluetooth technology. If needed, it is possible to provide BlueSense Easy on other CSR-compatible Bluetooth modules or to license the used Corscience software.

For your integration we support you with our development kit, an extensive support package, additional documentation or our professional R&D services.

If you have any other questions, we would be happy to answer them for you.



Technical specification:



1. Functions

- Usable as master and slave
- Bluetooth cable replacement up to 230,4 kbit/s
- Bluetooth profile: SPP, DUN and simplified OPP
- Transmission Class 2

2. Technical data

- Power supply: 3,3V +/-0,IV
- Current consumption: 160 μ A stand-by
1,4 mA idle mode
< 41 mA 115,2 kbit/s (<10 m distance)
- Dimensions: 11,8 mm x 12,6 (17,6) mm x 1,9 mm (with antenna)
- Range: > 10m

3. Standards and regulations

- R&TTE Directive 99/5/EC: Directive 99/5/EC on Radio Equipment and Telecommunications Terminal Equipment and the Mutual Recognition of Their conformity
- ETSI EN 300328-2: Electromagnetic compatibility and Radio spectrum Matters (ERM) – Wideband transmission systems
- EN 301489-1/-17: Electromagnetic compatibility and Radio spectrum Matters (ERM) – Electro Magnetic Compatibility (EMC) standard for radio equipment and services

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