

## 04USB203-S

Wireless USB bridge intended to work within unlicensed ISM frequency range of 433 MHz. This device was specifically designed as an access point to the wireless sensor network (WSN) from a conventional PC. In most of the cases USB bridge plays a role of the wireless network coordinator providing to the users flexible interface to the WSN configuration and management. In some of applications USB bridge can be used as a network sniffer, installation and configuration tool and so on. There is capability to implement most of the functionality required for network configuration, management, and data collection on the PC, via flexible software API provided by USB bridge. Such approach gives flexibility to the end users, adapting USB functionality to a particular system.

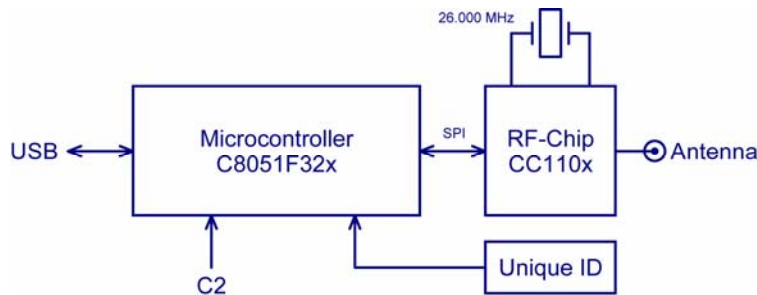


### FEATURES

- Unlicensed ISM frequency range of 433 MHz
- Long communication distance up to 500 m
- There is an option to use an external antenna
- Compatible with USB 2.0 interface
- Protection from static electricity
- Ease of use and integration to end system
- Unique ID, can be used as MAC-address
- Two-color LED indicator
- Industrial temperature diapason

### APPLICATIONS

- Industrial automation
- Security systems
- Utilities metering (AMR)
- Transport monitoring
- Telemetry systems
- Building automation
- Intellectual house
- Engineering systems monitoring
- Preventive maintenance
- Precision farming
- Traffic control
- Parking systems
- Logistics
- Construction processes monitoring
- Transportation monitoring
- Robotics
- Ecological monitoring



### GENERAL CHARACTERISTICS

Frequency range	433.075 - 434.790 MHz
Signal modulation	FSK / MSK
Maximal signal output power	+10 dBm
Radio transmission data rate	Up to 500 kbit/s
USB transmission data rate	Up to 12 Mbit/s
High-frequency connector type, impedance	SMA, 50 Ω
Temperature range	-40 ... +70 °C
Size (without antenna)	64.5 x 20.0 x 11.0 mm

### SERVICES

- Software customization according to customer requirements
- Wireless module integration into the end product/systems
- Embedded and system level software development

About company: «FR-Systems» ® was founded in early 2007, specializes in wireless technology. Company develops complete wireless based solutions for such domain areas as: industrial automation, building and home automation.  
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