

Bluetooth LE Module MS50SFB



Datasheet
V 1.0.0



MS50SFB-nRF52810

Bluetooth transparent slave module that supports serial port command configuration, power supply voltage detection, and iBeacon broadcast mode

MS50SFB is a module with Bluetooth slave device firmware designed using the nRF52810 chip. It has broadcast and connection status, and uses the UART interface to transparently transmit data between the main devices such as mobile phones/tablets and the MCU. Bluetooth functionality can be added to the product without the need for Bluetooth development, providing convenience for product development. The device broadcast communicates with the MCU through the UART interface. In broadcast mode, the MCU can set and view the module's broadcast name in command format, set custom data, modify parameters such as broadcast interval and connection interval through the UART interface. When a host connects to a device through Bluetooth, the device will act as a bridge between the host and the MCU for transparent data transmission.

FEATURES



The fastest transmission rate can reach 11kB/s



Support serial port instruction configuration



Support power supply voltage detection



Support iBeacon broadcast mode

KEY PARAMETER

MS50SFB-nRF52810			
Chip Model	Nordic nRF52810	Antenna	PCB/Ceramic/IPEX
Module Size	20×12×2mm	GPIO	30
Flash	192kB	RAM	24KB
receiver sensitivity	-96dBm	Transmitting power	-40 ~ +4dBm
Current(TX)	0dBm-4.6mA	Current(RX)	4.6mA
Firmware	Transparent Slave Firmware		

APPLICATION



Smart Buildings



Consumer Electronics



Intelligent Medical care



Smart Agriculture



Security Equipment



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CERTIFICATION

 Bluetooth®

























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RELATED DOCUMENTS

- nRF52810_Chip_Datasheet
https://en.minewsemi.com/file/nRF52810_Chip_Datasheet_EN.pdf
- MinewSemi_Product_Naming_Reference_Manual_V1.0
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