

BLE Module MS50SFB



Datasheet

V 1.0.0



MS50SFB-nRF52832

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

The MS50SFB is a master slave module that can be switched into master/slave mode through instructions. Master and never can work simultaneously and can only be connected one-on-one. The device defaults to host mode. In main mode, devices can be scanned and connected through instructions. Scanning can set broadcast name filtering and MAC address filtering to obtain relevant devices. The connection can only be initiated by specifying a MAC address. The device communicates with the MCU through the UART interface. In command mode, the UART can send commands to modify the scan interval, scan timeout, connection interval, broadcast interval, broadcast custom data, baud rate, etc. MCU sends switching commands to the slave through UART, which has broadcast and connection status and can be connected by the host, serving as a bridge between the host and 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-nRF52832

Chip Model	Nordic nRF52832	Antenna	PCB/Ceramic/IPEX
Module Size	20×12×2mm	GPIO	30
Flash	512kB	RAM	64KB
Receiving Sensitivity	-96dBm	Transmission Power	-40~ +4dBm
Current(TX)	0dBm-5.3mA	Current(RX)	5.4mA
Firmware	Master slave switch transparent firmware		

APPLICATION



Smart Buildings



Consumer Electronics



Intelligent Medical care



Smart Agriculture



Security Equipment



Automotive Equipment

CERTIFICATION



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TELEC

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RELATED DOCUMENTS

- nRF52832_Chip_Datasheet
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- MinewSemi_Product_Naming_Reference_Manual_V1.0
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