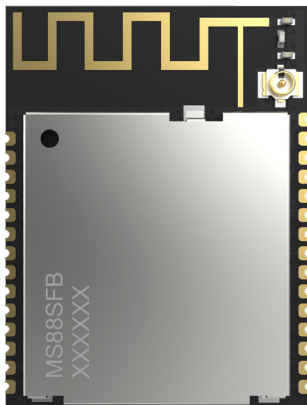


Bluetooth LE Module

MS88SFB



Datasheet

V 1.0.0





MS88SFB-nRF52833


PCB/IPEX optional, supporting BLE master-slave mode switching, serial port instruction configuration, built-in PA/LNA Bluetooth


The MS88SFB 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


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Supports master-slave switching
- 

Built-in nRF21540
- 

Power up to Maximum+20dbm
- 

Transmission rates as fast as 11kB/S
- 

Support serial command configuration
- 

Transmission distance up to 600 meters in open space

KEY PARAMETER

| MS88SFB-nRF52833 | | | |
|-----------------------|-----------------------------------|--------------------|-----------------|
| Chip Model | Nordic nRF52833 | Antenna | PCB/IPEX(MHF 5) |
| Module Size | 23.2×17.4×2mm | GPIO | 29 |
| Flash | 512kB | RAM | 128KB |
| Receiving Sensitivity | -96dBm | Transmission Power | ~ +20dBm |
| Firmware | Master slave transparent firmware | | |

APPLICATION

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Smart Home
- 

Consumer Electronics
- 

Intelligent Medical care
- 

Smart Agriculture
- 

Security Equipment
- 

Automotive Equipment

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RELATED DOCUMENTS

- nRF52833_Chip_Datasheet
https://en.minewsemi.com/file/nRF52833_Chip_Datasheet_EN.pdf
- MinewSemi_Product_Naming_Reference_Manual_V1.0
https://en.minewsemi.com/file/MinewSemi_Product_Naming_Reference_Manual_EN.pdf
- MinewSemi_Connectivity_Module_Catalogue_V2.0
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SHENZHEN MINEWSEMI CO., LTD.



0086-755-2801 0353

<https://minewsemi.com>minewsemi@minew.com<https://store.minewsemi.com>

No.8, Qinglong Road, Longhua District, Shenzhen, China