

Bluetooth LE Module MS88SF3



Datasheet v 1.0.0

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MS88SF3-nRF52833

High-performance, 42 I/O ports, , multi-protocol Bluetooth 5.4 module

The MS88SF3 is a low-power, cost-effective wireless BLE 5.4 module based on the nRF52833 SoC. It has an ARM core Cortex-M4F RF transceiver, the core running speed of 64Mhz, in addition, it also comes with 512kB FLASH program space, 128kB RAM, integrated 2.4 GH transceiver, and other powerful supporting resources for Bluetooth connectivity to provide the perfect solution. nRF52833 can support ANT, BLE, BLE MESH, ZIGBEE and THREAD protocols, BLE MESH, ZIGBEE and THREAD protocols. With a data rate of 125kbps, its range in open space is estimated to be up to 250 meters.

FEATURES







High-performance



Leads 42 I/O ports



Support ANT, BLE, BLE MESH, ZIGBEE and THREAD protocols, etc

KEY PARAMETER

MS88SF3-nRF52833			
Chip Model	nRF52833	Antenna	PCB/IPEX
Module Size	18.5×12.5×2mm	GPIO	42
Flash	512KB	RAM	128KB
Receiving Sensitivity	-96dBm(1Mbps) -103dBm(125kbps)	Transmission Power	-40 ~ +8dBm
Current(TX)	0dBm-4.9mA	Current(RX)	4.6mA

APPLICATION



Smart Buildings



Consumer electronics



Intelligent medical care



Smart agriculture



Security equipment



Automotive equipment

CERTIFICATION







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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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