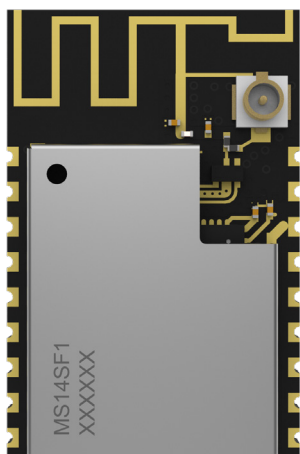


Wi-Fi Module

MS14SF1



Datasheet

V 1.0.0



MS14SF1-nRF7002

Low-power, Dual-band 2.4&5G Wi-Fi 6, Support TWT, Support STA/AP Mode

The MS14SF1 is a low-power, cost-effective wireless WiFi 6 module based on nRF7002. It integrates 2.4G and 5.8G dual-band 1T1R transceiver and LNA, as well as other powerful supporting development resources to provide a perfect solution for WiFi connection. The module has optional onboard antenna and IPEX external antenna, supports WPA/WPA2/WPA3 encryption, supports STA/AP mode, and has a transmission distance of 80M in office environment, which can meet the needs of various structural scenarios.

FEATURES



Wi-Fi 6
Low power



High
Cost-effective



Dual-band
2.4G + 5G, 1T1R



Support optional
external antenna



Support TWT



Support STA/AP
Mode



Transmission
distance in office
environment:
80M

KEY PARAMETER

MS14SF1

Chip Model	nRF7002	Antenna	PCB/IPEX
Module Size	22.9×15×3mm	Firmware	None
Receiving Sensitivity	-98.6dBm	Transmission Power	Maximum +21dBm
Current(TX)	191mA - 2.4G 260mA - 5G	Current(RX)	60mA - 2.4G 56mA - 5G

APPLICATION



Smart
Buildings



Consumer
Electronics



Smart
Healthcare



Security
Equipment



Automotive
Devices



Smart
Agriculture

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2 RELATED DOCUMENTS

- nRF7002_Chip_Datasheet
https://en.minewsemi.com/file/nRF7002_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
https://en.minewsemi.com/file/MinewSemi_Connectivity_Module_Catalogue_EN.pdf



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