

# nRF54 SERIES


**NORDIC**  
 SEMICONDUCTOR

## nRF54H20



### Module Partners based on nRF54H20

**ME54BS02**  **MINEW**
**Best-in-class, Ultra-low Power Bluetooth® 5.4 LE Module**

ME54BS02 is a highly integrated, ultra-high performance, ultra-low power Bluetooth® module based on nRF54H20. It integrates multiple Arm® Cortex®-M33 processors and RISC-V coprocessors with clock frequencies up to 320MHz, and each processor is optimized for a specific type of workload. In addition, it also comes with 2MB non-volatile MRAM and 1MB static RAM, and is designed for PSA Level 3 certification with high security protection. The hardware is equipped with an onboard antenna, and the integrated design highlights the higher performance of the nRF54 series and provides more GPIO development and use. At the same time, the ultra-low system power consumption and excellent RF performance as well as other powerful supporting resources are very suitable for Bluetooth® low-power applications and Bluetooth® high-end applications.

ME54BS02			
Chip Model	nRF54H20	Antenna	PCB
Module Size	16.5×12.0×2mm	GPIO	64
Flash	2MB MRAM	RAM	1MB RAM
Receiving Sensitivity	-100dBm	Transmission Power	~ +10dBm
Current(TX)	2.5mA	Current(RX)	5.6mA

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#### Applications



Advanced Wearables



Electric Vehicles



Industrial IoT



Medical Devices



Smart Home



VR and AR