

INDUSTRIAL PRODUCT DATASHEET

MDBT50Q-1MV2 nRF52840 Based BLE Module

The MDBT50Q-1MV2 nRF52840 Based BLE Module is a pre-certified, compact multiprotocol SoC with integrated chip antenna for Bluetooth 5.2/5.1 low energy, IEEE 802.15.4, 2.4GHz RF & ANT applications in smart home, industrial IoT,...

SKU	UPDATED	PRICE
113990582	2026-10-03 01:02:45	\$12.00(Excl. VAT)



Overview



The MDBT50Q-1MV2 nRF52840 Based BLE Module is a complete BT5.2 & BT5.1 low energy solution with integrated chip antenna and compact size of 10.5 x 15.5 x 2.2 mm, supporting Bluetooth 5, IEEE 802.15.4, 2.4GHz RF & ANT. It is a pre-certified module (FCC / IC / Telec / KC / SRRC / NCC / WPC Certified & CE RED / RCM Compliant) and highly flexible multiprotocol SoC ideally suited for Bluetooth® Low Energy and 2.4GHz ultra low-power wireless applications.

Key Features

- Complete BT5.2 & BT5.1 low energy solution with integrated chip antenna
- Compact size with 10.5 x 15.5 x 2.2 mm
- Supports Bluetooth 5, IEEE 802.15.4 & 2.4Ghz RF & ANT upon customer's preference.
- Pre-Certified Module: FCC / IC / Telec / KC / SRRC / NCC / WPC Certified & CE RED / RCM Compliant.
- Highly flexible multiprotocol SoC ideally suited for Bluetooth® Low Energy and 2.4GHz ultra low-power wireless applications.

Applications

- Smart home (such as door locks, lighting) sensors and controllers
- Smart city sensor networks
- Industrial IoT sensors and controllers
- Connected white goods
- Health/fitness sensor and monitor device
- Medical device
- Advanced remote controls
- Gaming controller
- Connected watches
- Advanced personal fitness devices
- Wearables with wireless secure payment
- Connected Health

Part List

MDBT50Q-1M Module	1
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Compliance & Logistics



HSCODE	8517709000
USHSCODE	8517620090
UPC	841454121701
EUHSCODE	8517180000
COO	TAIWAN,CHINA

Resource Links

- <https://www.seeedstudio.com/MDBT50Q-1M-nRF52840-Based-BLE-Module-p-3147.html>
- [MDBT50Q-1MV2 Spec \(Ver.H\)](#)
- [Footprint and Design Guide](#)
- [RoHS & REACH Report](#)
- [Nordic 3rd Party Bluetooth low energy module](#)

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