



# MN52H series

Aradconn MN52H series is a high flexible, comprehensive and ultra-low power Bluetooth Low Energy module cored with Nordic Semiconductor nRF52833/nRF52840, providing high performance and rich feature BLE module to customers.

The small form factor and wide range operating voltage of Aradconn MN52H series made it suitable for different applications, even battery-power handheld devices. It also provide different antenna format option for customer to select the most suitable one.

Aradconn MN52H series obtained different certifications, from FCC to BQB, allowing customer's end product to comply with different countries or regions requirement with ease.

K-Solution will also provides design service , either firmware and hardware for MN52H series.

Nordic nRF 52832/52833/52840

Antenna: PCB, chip, u.FL

Flash: 512KB - 1MB

RAM 128KB - 256KB

Operating voltage: 1.7-5.5VDC

RF distance: 550m to 700m

Power consumption

- Down to 0.4uA @ OFF mode
- 1.5uA @ ON mode

Peripheral:

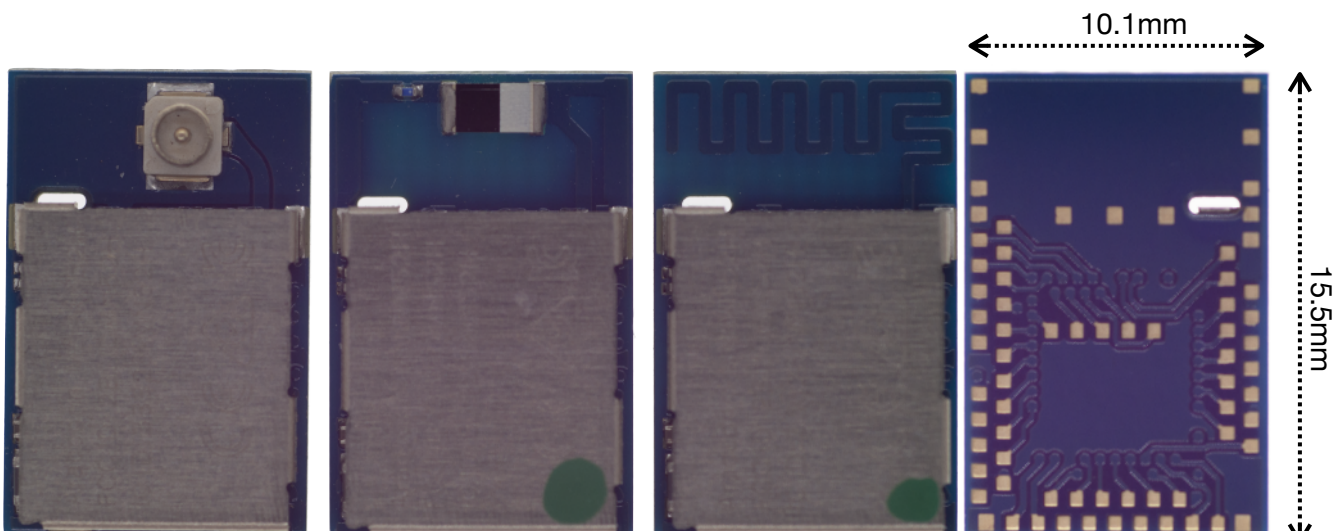
- USB2.0
- SPI, I2C
- ADC, PWM, PDM, UART
- Comparator, Temperature sensor

GPIO: 42-48

Dimension: 15.5x10.1x 2.1mm

Certification:

- FCC    - QDID
- IC
- CE



# MN52M series

Aradconn MN52M series is a high flexible, comprehensive and ultra-low power Bluetooth Low Energy module cored with Nordic Semiconductor nRF52810/nRF52832, providing high performance and rich feature BLE module to customers.

The small form factor of Aradconn MN52M series made it suitable for different applications, even battery-power handheld devices. It also provide different antenna format option for customer to select the most suitable one.

Aradconn MN52M series obtained different certifications, from FCC to BQB, allowing customer's end product to comply with different countries or regions requirement with ease.

Serial tunnelling default firmware is pre-programmed on MN52M-C10/P10, allowing user to enable BLE feature immediately without firmware development.

K-Solution will also provides design service , either firmware and hardware for MN52M series.

- Nordic nRF 52832/52810
- Antenna: PCB, chip, U.FL
- Flash: 192KB - 512KB
- RAM: 24KB - 64KB
- Operating voltage: 1.7-3.6VDC
- RF distance: 300m to 700m
- Power consumption
  - 0.3uA @ OFF mode
  - Down to 1.9uA @ ON mode
- Peripheral:
  - Coded PHY\*
  - SPI, I2C
  - ADC, PWM, PDM, UART
  - Comparator, Temperature sensor
- GPIO: 32
- Dimension: 15.8 x 9.0 x 2.2mm
- Certification:
  - FCC    - NCC    - QDID
  - IC     - KCC    - SRRC
  - CE     - MIC

