

CM05: Bluetooth Low Energy + WiFi Combo Module

Product Description:

CM05 built in Nordic Semiconductor Bluetooth 5.0 Low-Energy System-on-Chip (SoC) as the core and Realtek Low-Power-Consumption System-on-Chip (SoC) for WiFi. InnoComm CM05, a WiFi plus Bluetooth 5.0 Low-Energy module, is not only with the transceiver but also embedded with network processing capability and master micro-controller. It is the best wireless solution for IoT gateway, smart plug, control usage and various product applications.



Key Features:

Bluetooth Low Energy

- BT 5.0 connectivity
- 32-bit ARM® Cortex™ - M4F CPU
- 512kB internal Flash + 64kB internal RAM

WiFi

- 802.11b/g/n, 802.11e, 802.11i
- Light weight TCP/IP protocol

Specifications:

- WiFi
 - 2.4GHz
- Bluetooth Low Energy
 - TX power -20 to +4 dBm in 4 dB steps
- Memory

Bluetooth Low Energy :

- 512kB Flash
- 64kB RAM

WiFi :

- 512kB ROM
- 256kB RAM
- 2MB Flash

Physical Specification

- Dimension: 17.0 x 26.0 x 2.8 mm

- Software configurable
 - 2x I2C
 - 1x I2S
 - 3x SPI
 - Maximum 22x GPIOs
- Operating Temperature
 - -20°C to +85°C
- Power Supply
 - Voltage Range: 3V ~ 3.6V
- Mounting Method
 - SMD

Target Applications:

- IoT gateway
- Smart Plug
- ...etc

Support & Service:

- Evaluation board
- Hardware design review and consult
- Guides included in the Bluetooth Low Energy installer

<https://www.nordicsemi.com/eng/Products/Bluetooth-low-energy/nRF52832>

Ordering information

Please email to innocomm@innocomm.com or call +886-3-5781868 for more information.

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