

EMW3239 Combo Module-WiFi Bluetooth BLE(External IPEX antenna)

SKU 113990415    

Description

EMW3239 is an embedded module supplied by 3.3V voltage with radio-frequency chip with both Wi-Fi and BT4.1 and the ARM Cortex-M4 MCU operating at a 100 MHz frequency. SRAM up to 256KB, on-chip Flash up to 1MB and off-chip up to 2MB. EMW3239 has abundant peripherals supplied for different Wi-Fi suitable for output power demand in massive devices. EMW3239 has low noise amplifier with best receive sensitive and internal radio-frequency transmit-receive switch.

Features

Properties

- Dual Mode Bluetooth + Wi-Fi Combo;
- Cortex-M4 MCU and Wi-Fi/Bluetooth Radio-Frequency Chip;
- 256KB SRAM, 1MB on-chip Flash and 2MB off-chip SPI Flash
- Operating voltage: DC 2.56V~3.6V ;
- Bandwidth: 20MHz; Maximum transmission rate: 72.2Mbps

Wi-Fi properties

- Support 802.11b/g/n
- Support station and Soft AP mode
- Baud Rate: 921600

Bluetooth properties

- Classic Bluetooth and Low Power Bluetooth (dual mode)
- Support Bluetooth 4.1
- Antenna: IPEX Antenna

Peripherals

- 1x I2C
- 2x USART
- SPI/I2S
- CAN
- Up to 39 GPIOs with hardware interruption
- 12-bit 2.4MSPS ADC
- Serial wire debug (SWD) & JTAG

Operating temperature

- -30°C to +70°C

Application scenarios

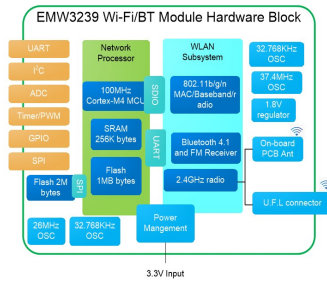
- Smart Energy
- Smart Security
- Smart Security
- Industrial Automation
- Healthcare Devices
- Instruments and Meters
- Home Automation
- Smart Transportation
- Smart Lighting

Technical Details

Dimensions9mm x 9mm x 0mm
Weight 6.5W 4g
Battery Exclude

Part List

3239 Combo Module-WiFi Bluetooth BLE(External IPEX antenna)1
Antenna Board



ECCN/HTS

ECCN 5A002.a
HSCODE8517709000

Documents

Datasheet
Application Note
EMW3239 CE Certification
EMW3239-RDHS-test-result
EMW3239-REACH-test-result

Questions and Answers

Have a question about this?

- 0 What chip is used for WiFi? What chip is used for Bluetooth? Where can you find sample programs for this module?
- ulsonic on Sep 05, 2017
- Hi--The chip EMW3239 offers both Wi-Fi and Bluetooth function. And you can find sample programs in the documents we offered. Thanks
- Sseed Techsupport Team on Sep 06, 2017 16:28 PM

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