

## 1 Introduction

MM32W3xB is an ultra-low power single-mode Bluetooth chip. The radio frequency adopts 2.4GHz ISM band frequency, 2MHz channel spacing, ARM® Cortex®-M3 as the core 32-bit microcontroller, the highest operating frequency can reach 96MHz, including 2x 12-bit ADC, 2x 12-bit DACs, 3 x16-bit general-purpose timers and 1 PWM advanced timer. It also includes standard communication interfaces: 3 xUART interfaces, 2x I2C interfaces, 1x SPI interface and 1x USB interface.

### 1.1 MM32W36x

Frequency: 96MHz

Memory: 64 kB Flash, 20 kB RAM

Communication: 3 x UART, 1 x SPI, 2 x I2C, USB

Analog : ADC,DAC

power saving mode:stop, sleep, and standby mode

### 1.2 MM32W37x

Frequency: 96MHz

Memory: 128 kB Flash, 20 kB RAM

Communication: 3 x UART, 1 x SPI, 2 x I2C, USB,CAN

Analog : ADC,DAC

power saving mode:stop, sleep, and standby mode

## 2 Reference

The relevant data manual and user manual of the product and the corresponding reference version can be downloaded from the official website of Shanghai Mindmotion Microelectronics Co., Ltd. (<http://www.mindmotion.com.cn>), and you can switch between Chinese and English on the homepage of the official website, and then click Download to download the required information.

### 2.1 Links

Manual:include datasheet and user manual <http://www.mindmotion.com.cn/download.aspx?cid=2568>

Kits: include development Kit, <http://www.mindmotion.com.cn/download.aspx?cid=2545>