

1 Introduction

MM32W0xx - ARM Cortex-M0 Core Frequency up to 48 MHz, Flash up to 128 KB, SRAM up to 8 KB, Support power saving mode: sleep, and standby mode. Analog peripherals up to 10 channels x 12bit, 1us ADC, 1x ADC, Up to 2 x UART, Up to 1 x SPI (18Mbit/s), 1 x I2C (400Kbit/s), a 1 x CAN, 1 x USB device, 5 channels DMA (support Timer, UART, I2C, SPI and ADC). On-chip up to 9 x Timer resources include : 1 x Advanced Timer, 1 x SysTick Timer, 2 x WDG, Timer/Counter/PWM Analog, Clock: HSI (48MHz) and LSI (40KHz) and PLL. 1 x AES

1.1 MM32W05

Frequency: 48MHz

Memory: 32 kB Flash, 4 kB RAM

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

Analog : ADC, COMP

power saving mode: stop, sleep, and standby mode

1.2 MM32W06

Frequency: 48MHz

Memory: 64 kB Flash, 8 kB RAM

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

Analog : ADC, COMP

power saving mode: Stop, sleep, and standby mode

1.3 MM32W07

Frequency: 48MHz

Memory: 128 kB Flash, 8 kB RAM

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

Analog : ADC, COMP

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=2567>

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