

1 Introduction

MM32F0130 - ARM Cortex-M0 Core Frequency up to 72 MHz, Flash up to 64 KB, SRAM up to 16 KB, Support power saving mode: sleep, and standby mode. Analog peripherals 10 channels x 12bit, 1us ADC, 1 x ADC, Up to 2 x UART, Up to 2 x SPI (18Mbit/s), 1 x I2C (400Kbit/s), up to 1 x CAN, up to 1 x USB(device), up to 2 x COMP ,5 channels DMA (support Timer、UART、I2C、SPI、USB and ADC) . On-chip Timer resources include : 1 x Advanced Timer, 1 x SysTick Timer, 2 x WDG , Clock: HSI (48MHz) and LSI (40KHz) and PLL(support 72MHz) Core ARM Cortex-M0, Timer/Counter/PWM Analog.

1.1 MM32F0131

Frequency : 72 MHz

Memory: 64 KB Flash, 16K SRAM

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

Others: 2 x COMP, RTC, 1 x ADC (10 channels x 12bit)

1.2 MM32F0132

Frequency : 72 MHz

Memory: up to 64 KB Flash, up to 16K SRAM

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

Others: 2 x COMP, RTC, 1 x ADC (10 channels x 12bit)

1.3 MM32F0133

Frequency : 72 MHz

Memory: 64 KB Flash, 16K SRAM

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

Others: 2 x COMP, RTC, 1 x ADC (10 channels x 12bit)

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=2583>

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