

## 1 Introduction

MM32F3270 - ARM Cortex-M3 Core Frequency up to 120 MHz, Flash up to 512 KB, SRAM up to 128KB,FSMC, Support power saving mode: sleep, and standby mode. Analog peripherals up to 21 channels x 12bit, 1us ADC, 3 x ADC,2x COMP, Up to 8x UART, Up to 3 x SPI, 2 x I2C ,up to 3x I2S, up to 1 x USB OTG, up to 1x CAN, up to 1 x SDIO, up to 1 x Ethernet,up to 1 x FSMC, up to 2 x DAC,up to 12 channels 2xDMA(support Timer、UART、I2C、SPI、SDIO、USB OTG、Ethernetand ADC). On-chip 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 and LSE(32.768k),RTC.

### 1.1 MM32F3273E

Frequency: 120MHz

Memory: 256 kB Flash, 96 kB RAM

Communication: up to 8 x UART, 3 x SPI, 2 x I2C,3 x I2S, USB\_OTG, CAN, up to 1 x SDIO

Analog : ADC, COMP

### 1.2 MM32F3273G

Frequency: 120MHz

Memory: 512 kB Flash, 128 kB RAM

Communication: up to 8 x UART, 3 x SPI, 2 x I2C,3 x I2S, USB\_OTG, CAN, up to 1 x SDIO

Analog : ADC, DAC, COMP

### 1.3 MM32F3277E

Frequency: 120MHz

Memory: 256 kB Flash, 128 kB RAM

Communication: up to 8 x UART, 3 x SPI, 2 x I2C,3 x I2S, USB\_OTG, CAN, 1 x SDIO

Analog : ADC, DAC, COMP

### 1.4 MM32F3277G

Frequency: 120MHz

Memory: 512 kB Flash, 128 kB RAM

Communication: up to 8 x UART, 3 x SPI, 2 x I2C, 3 x I2S, USB\_OTG, CAN, SDIO

Analog : ADC, DAC, COMP

## 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

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