



**AN0012**

Application Note

**Rev 1.00 2021/09/17**

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## Installation of **MM32 Series Keil pack**

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### Introduction

This application note describes how to install the Keil pack: obtain the Device model through three installation methods.

# 1 Obtaining and installing the Keil pack

In the process of product development, Keil is generally used to implement the development, programming and debugging of MM32 series programs. During the process of building the project, you need to select Device. At this time, you can add the relevant part number to Keil by installing the pack package.

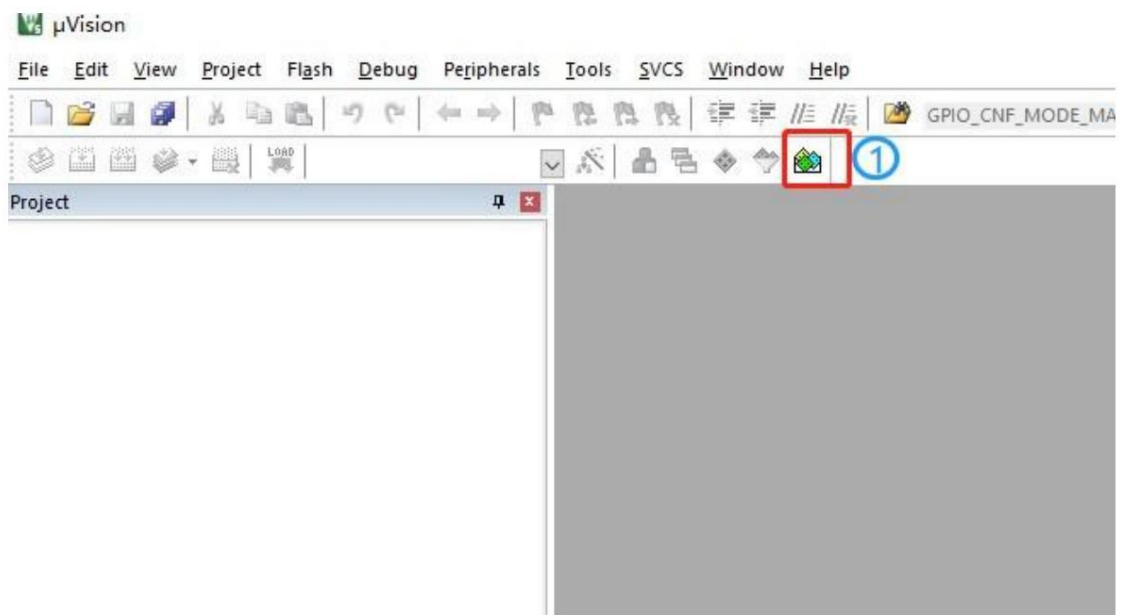
The following introduces three ways to download the pack package and how to install the pack package and add the part number.

## 1.1 Install the **pack** package through Keil 's **pack** installation tool

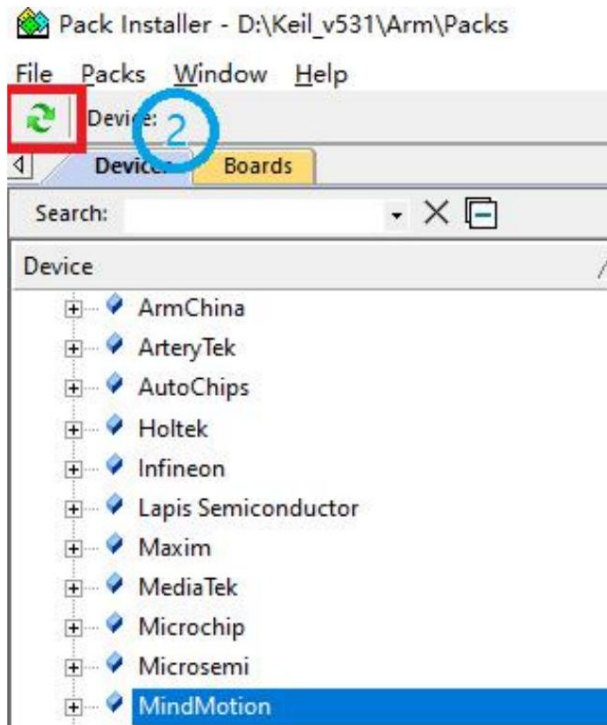
Use Keil's Pack Installer tool to refresh the installation package and automatically install the MM32 Series pack.

The steps are broken down as follows:

A. Open Keil and click pack to install the package tool:

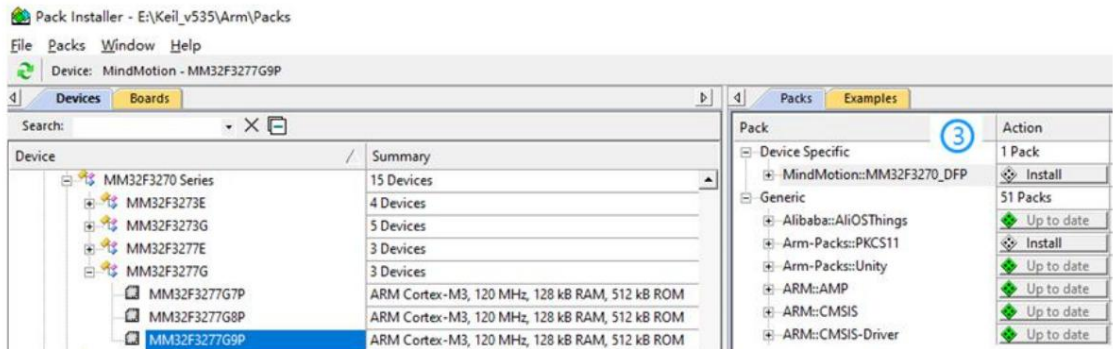


B. Click refresh:



C. After refreshing, the full series of MM32 chips will appear, with some gray part numbers that need to be downloaded.

Take downloading the pack of MM32F3270 as an example:

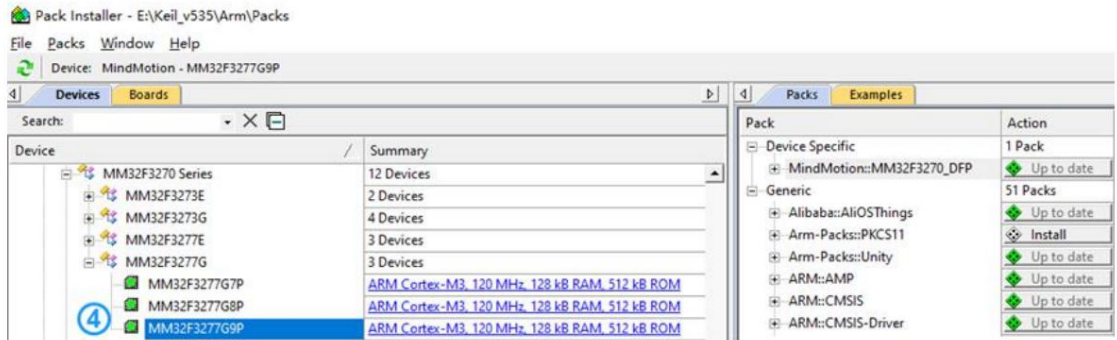


Click on MM32F3270 Series to the specific part number. In the packs tab on the right, click

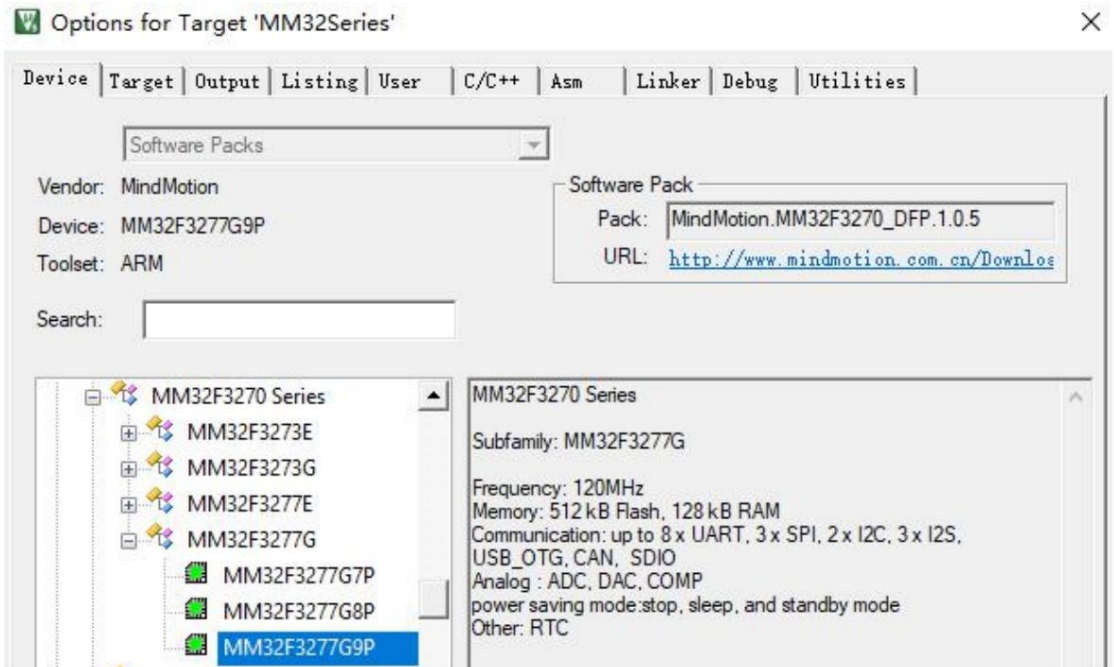
Install, there will be relevant scrolling prompts and download progress bars:



D. After the installation is successfully completed, you can see that the relevant part number turns green:



E. You can see the corresponding series in the Device list:

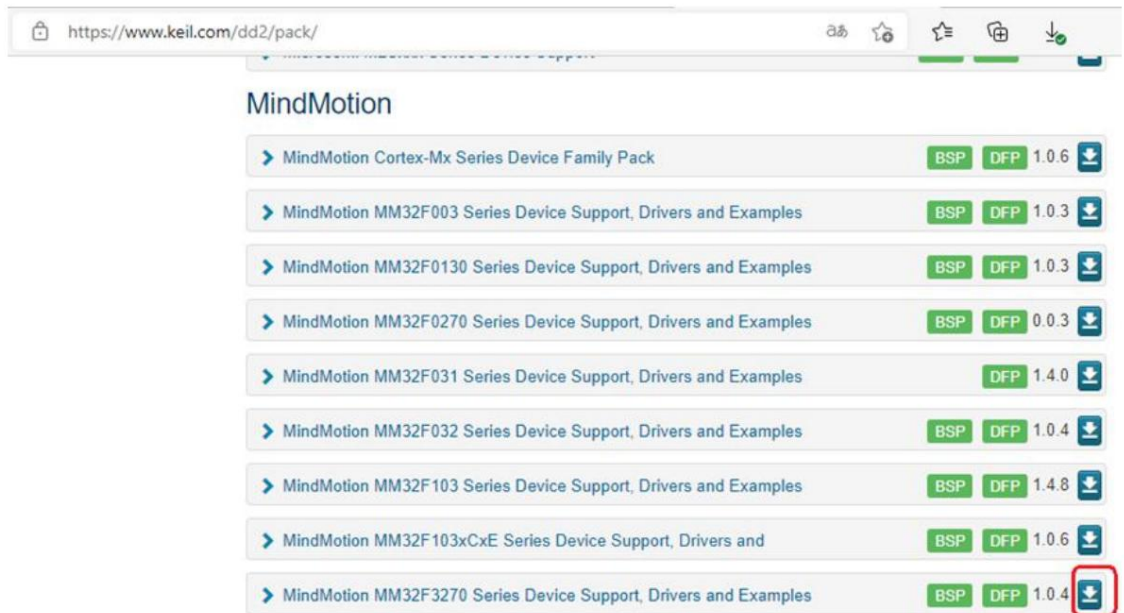


## 1.2 Download and install the **pack** through the **Keil** website

Via <https://www.keil.com/pack/> Or <https://www.keil.com/dd2/pack/> link, browse

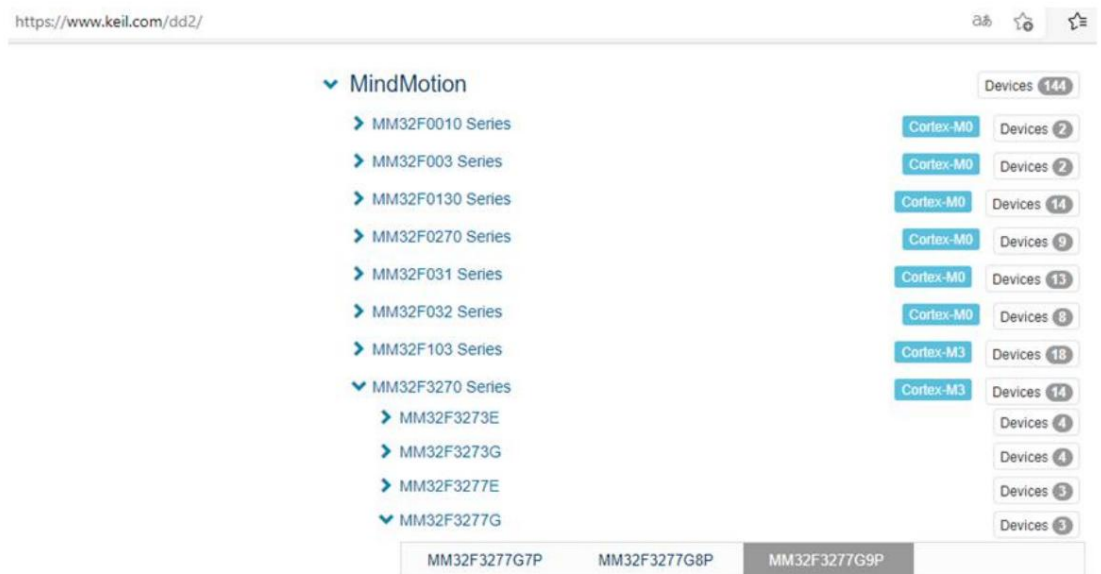
Browse and find related packs for the MindMotion series.

A. Click <https://www.Keil.com/dd2/pack/> , the following interface appears:



Take the MM32F3270 pack installation as an example, click Download to download. After downloading, click Install Package Hand Install automatically.

By Click <https://www.Keil.com/dd2/> , the following interface appears:



Find the specific Device "MM32F3277G9P" of the MM32F3270 series, and the following interface will appear.

Click "Download" to download.

https://www.keil.com/dd2/mindmotion/mm32f3277g9p/

arm KEIL

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Home / MDK5 Device List / MM32F3277G9P

## MindMotion MM32F3277G9P

ARM Cortex-M3, 120 MHz, 512 kB ROM, 128 kB RAM

Subfamily: 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 power saving mode: stop, sleep, and standby mode Other: RTC

- **Core** ARM Cortex-M3, 120 MHz
- **Memory** 128 kB RAM, 512 kB ROM
- **Clock & Power** 120 MHz


**Quick Links**

- Board List
- Software Packs
- MDK Version 5
- Legacy Support
- Feedback

**Content Statement**

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**Silicon Supplier**

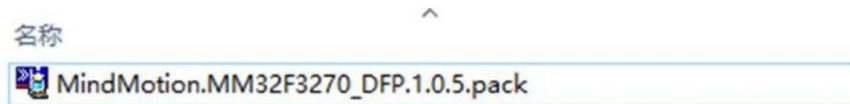
- MindMotion 

**Device Family Pack** **DFP**

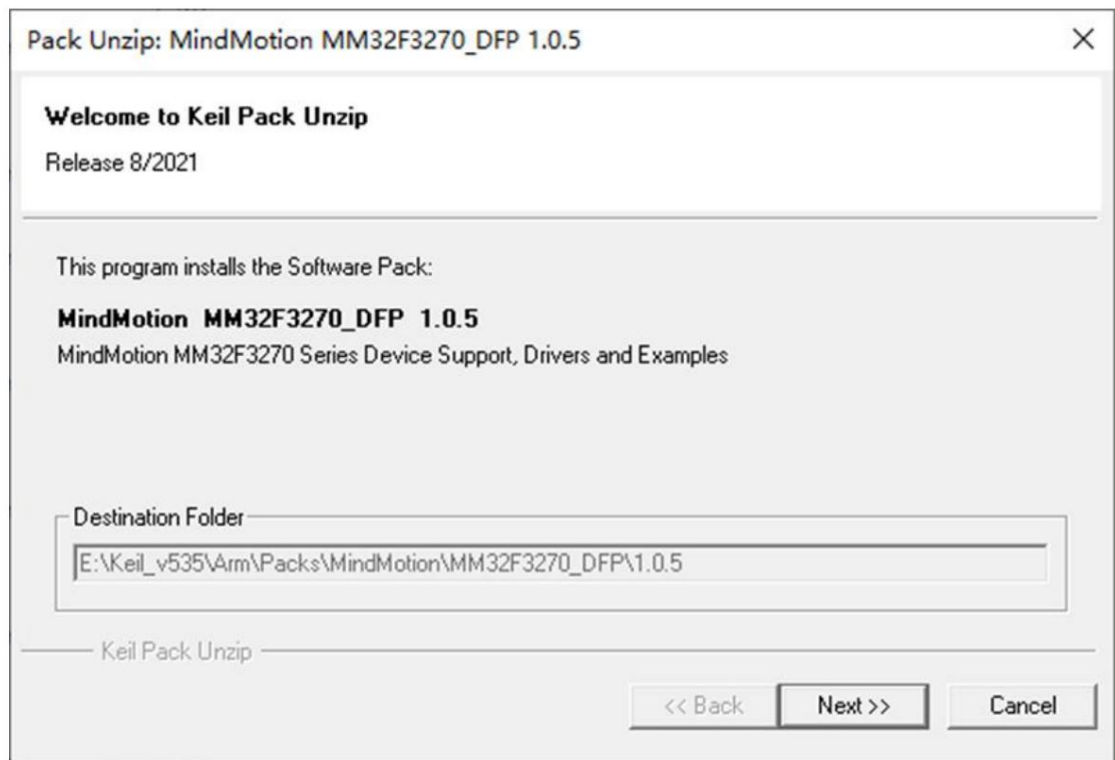
Support for this device is contained in: MindMotion MM32F3270 Series Device Support, Drivers and Examples

[Download](#)

Çy After the download is completed, double-click MindMotion.MM32F3270\_DFP.1.0.5.pack to execute the installation:



The installation dialog box pops up:



Select "Next >>" until the installation is complete.

### 1.3 Download and install the **pack** through the **MindMotion** website

Through MindMotion's official website, find "Download Information" and you will be redirected to the following link:

<http://www.mindmotion.com.cn/download1.aspx>



www.mindmotion.com.cn/download1.aspx

## 下载中心

### 资料下载

下载中心

- MM32F00系列文档
- MM32F0130系列文档
- MM32F031系列文档
- MM32F032系列文档
- MM32F103系列文档
- MM32F3270系列文档
- MM32L0系列文档
- MM32L3系列文档
- MM32W0系列文档
- MM32W3系列文档
- MM32SPIN系列文档
- 库函数和例程
- Kits
- Pack文件**
- 支持工具
- 应用说明
- MM32 MCU选型表

### 下载中心

MM32F00系列文档 [更多>>](#)

名称	类型	语言	版本	更新日期	文件大小
<a href="#">MM32F003(q) 产品手册</a>	PDF	简体中文	1.22	2020-05-15	1.52MB
文档说明: 支持MM32F003 q版, 提供了详细的规格说明, 引脚定义, 电气特性及封装信息。					
<a href="#">MM32F003(q) 用户手册</a>	PDF	简体中文	1.19	2019-07-24	15.16MB
文档说明: 支持MM32F003 q版, 提供了完整的系统架构, 存储器和及所有外设详细说明与寄存器描述。					
<a href="#">MM32F0010 产品手册</a>	PDF	简体中文	1.04	2021-04-13	2.29MB
文档说明: 支持MM32F0010A1N, MM32F0010A1T, 提供了详细的规格说明, 引脚定义, 电气特性及封装信息。					
<a href="#">MM32F0010 勘误表</a>	PDF	简体中文	1.00	2021-04-20	279.14KB
文档说明: 支持MM32F0010系列, 提供了该产品当前已知的问题及解决方案。					
<a href="#">MM32F0010 用户手册</a>	PDF	简体中文	1.00	2020-08-13	12.16MB
文档说明: 支持MM32F0010A1N, MM32F0010A1T, 提供了完整的系统架构, 存储器和及所有外设详细说明与寄存器描述。					

MM32F0130系列文档 [更多>>](#)

名称	类型	语言	版本	更新日期	文件大小
<a href="#">MM32F013x 产品手册</a>	PDF	简体中文	1.00	2020-08-13	2.16MB
文档说明: 支持MM32F013x, 提供了详细的规格说明, 引脚定义, 电气特性及封装信息。					

Find and discover the pack files supported by MindMotion:

www.mindmotion.com.cn/download.aspx?cid=2546



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## Pack文件

### 资料下载

下载中心

- MM32F00系列文档
- MM32F0130系列文档
- MM32F031系列文档
- MM32F032系列文档
- MM32F103系列文档
- MM32F3270系列文档

### Pack文件

名称	类型	语言	版本	更新日期	文件大小
<a href="#">MM32系列 KEIL pack文件包</a>	ZIP	简体中文	1.43	2021-04-26	15.31MB
文档说明: KEIL pack文件包支持MM32全系列芯片在KEIL 5.13及以上版本下的手动安装。					
<a href="#">MM32系列 IAR pack文件包</a>	ZIP	简体中文	1.50	2020-12-15	1.86MB
文档说明: IAR pack文件包支持MM32全系列芯片在IAR 7.6及以上版本下的手动安装。					

Select <http://www.mindmotion.com.cn/getfile.aspx?id=765> And download, unzip, and find

Go to the installation package: MindMotion.MM32F3270\_DFP.1.0.5.pack and install the required pack manually.



## 2 Summary

Through three ways of installing MindMotion's Keil pack, you can implement MindMotion in Keil.

Full range of chips supported.

## 3 Modification history

Table 1 Modification history

date	Version	content
2021/9/17	1.00	AN0012 Initial version release