

MDK-ARM Installation

MDK-ARM Installation

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 1. Open the application
 2. Close the start interface
 3. Install the chip support package
4. ARM Compiler
 1. Install the compiler
 2. Add compiler
 3. Verify the installation

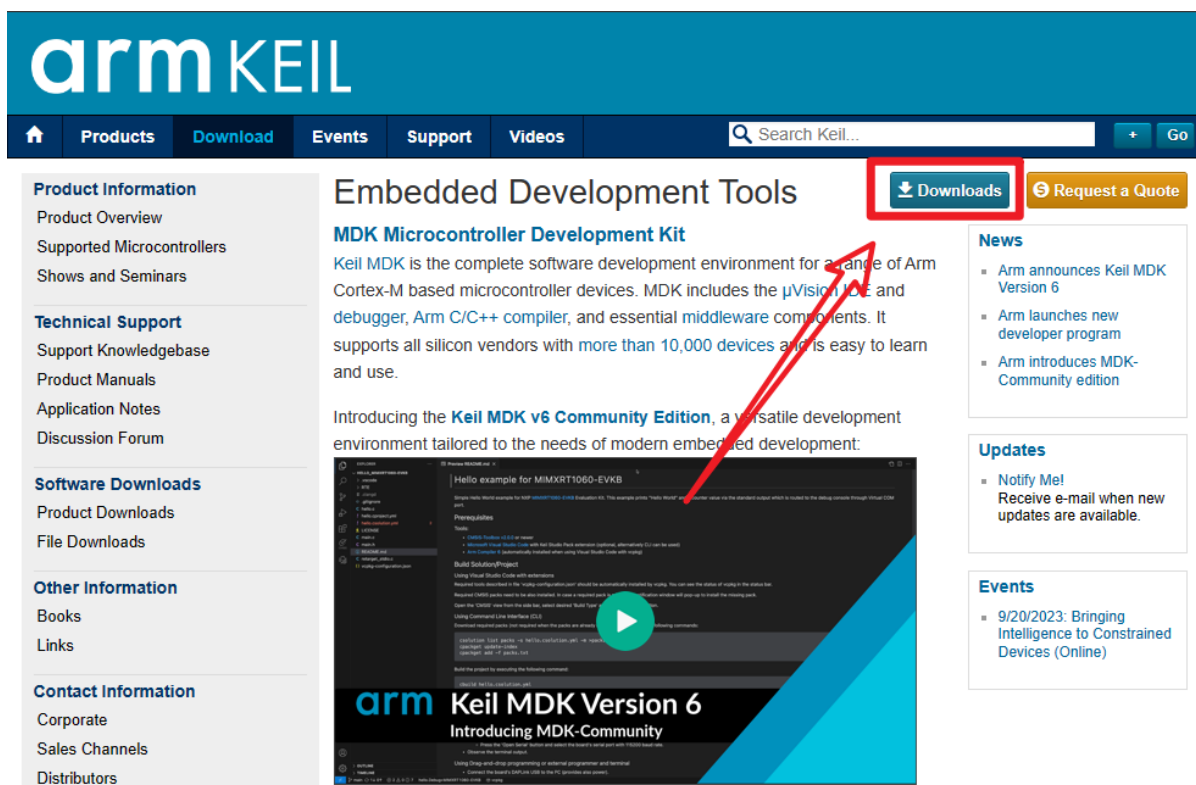
Since MDK-ARM software is a paid software, we will only demonstrate how to install it, and will not introduce the software usage and activation in detail!

Software offline installation package path: Attachment → Software Tools

1. Software Download

1. Download URL

Keil official website: <https://www.keil.com/>



2. Select product

Download Products: MDK-Arm



armKEIL

Products Download Events Support Videos Search Keil... + Go

Download Products

Select a product from the list below to download the latest version.

**MDK-Arm**
Version 5.38a (December 2022)
Development environment for Cortex and Arm devices.

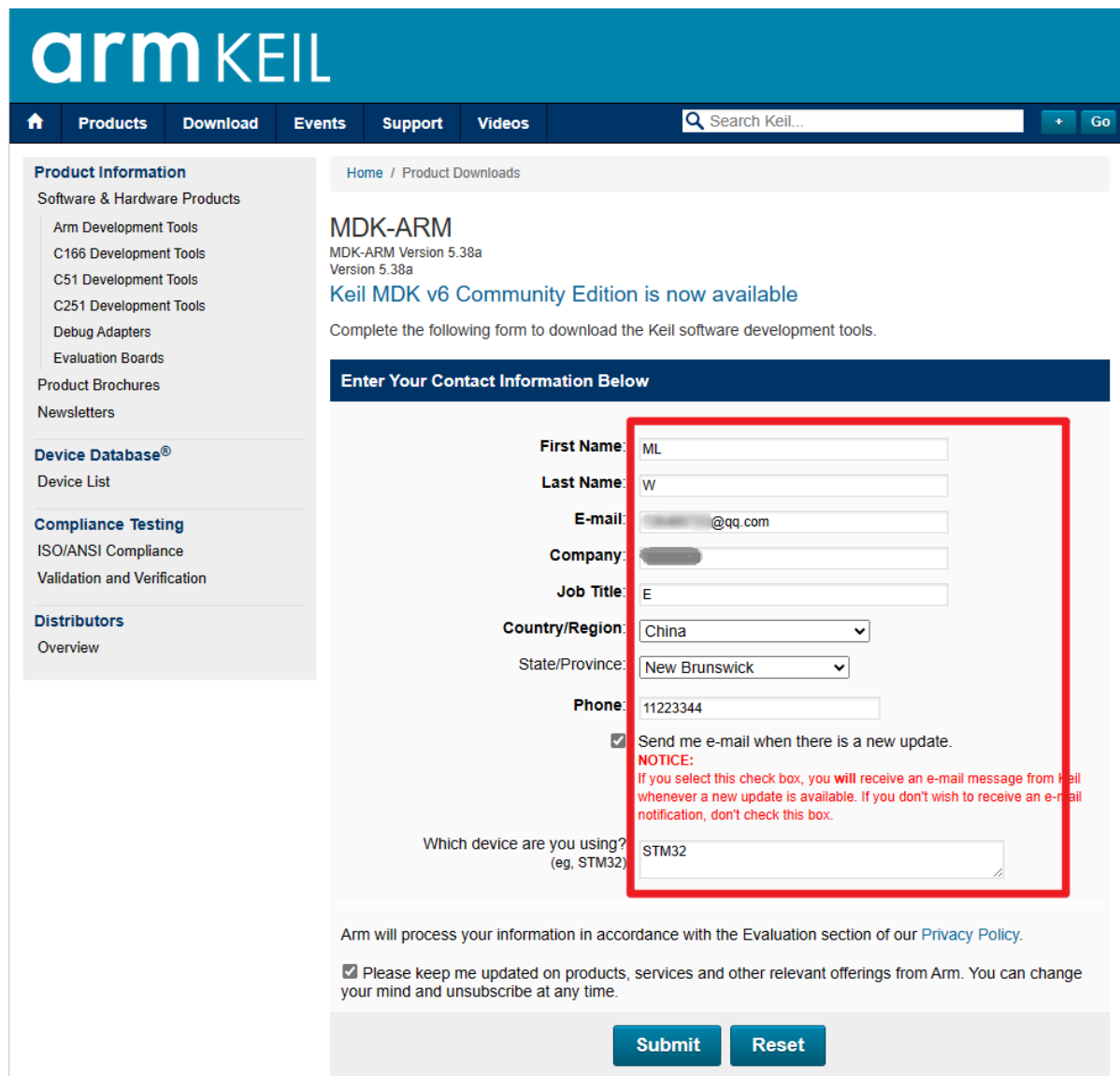
**C51**
Version 9.61 (December 2022)
Development tools for all 8051 devices.

**C251**
Version 5.60 (May 2018)
Development tools for all 80251 devices.

**C166**
Version 7.57 (May 2018)
Development tools for C166, XC166, & XC2000 MCUs.

Keil products use a [License Management](#) system - without a current license the product runs as a Lite/Evaluation edition with a few [Limitations](#).

3. Fill in information



armKEIL

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Home / Product Downloads

MDK-ARM

MDK-ARM Version 5.38a
Version 5.38a

Keil MDK v6 Community Edition is now available

Complete the following form to download the Keil software development tools.

Enter Your Contact Information Below

First Name: ML
Last Name: W
E-mail: @qq.com
Company:
Job Title: E
Country/Region: China
State/Province: New Brunswick
Phone: 11223344
☒ Send me e-mail when there is a new update.
NOTICE:
If you select this check box, you will receive an e-mail message from Keil whenever a new update is available. If you don't wish to receive an e-mail notification, don't check this box.
Which device are you using? (eg, STM32) STM32

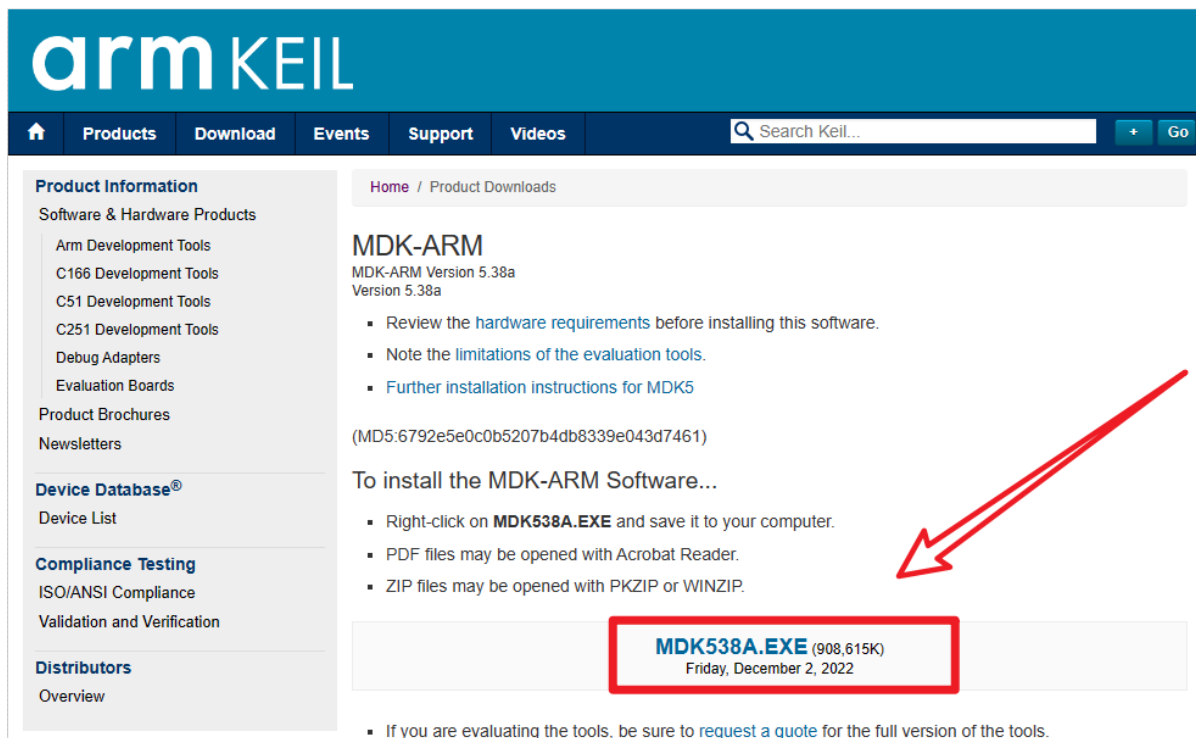
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Submit Reset

This content can be filled in at will

4. Download the installation package



The screenshot shows the ARM KEIL website's 'Product Downloads' page for MDK-ARM. The left sidebar contains navigation links for Product Information, Device Database, Compliance Testing, and Distributors. The main content area displays the MDK-ARM Version 5.38a download page. A red arrow points to the 'MDK538A.EXE (908,615K)' download button, which is highlighted with a red box. Below the button, there is a link to 'request a quote' for the full version of the tools.

Product Information
Software & Hardware Products
Arm Development Tools
C166 Development Tools
C51 Development Tools
C251 Development Tools
Debug Adapters
Evaluation Boards
Product Brochures
Newsletters

Device Database®
Device List

Compliance Testing
ISO/ANSI Compliance
Validation and Verification

Distributors
Overview

Home / Product Downloads

MDK-ARM

MDK-ARM Version 5.38a
Version 5.38a

- Review the [hardware requirements](#) before installing this software.
- Note the [limitations of the evaluation tools](#).
- [Further installation instructions for MDK5](#)

(MD5:6792e5e0c0b5207b4db8339e043d7461)

To install the MDK-ARM Software...

- Right-click on **MDK538A.EXE** and save it to your computer.
- PDF files may be opened with Acrobat Reader.
- ZIP files may be opened with PKZIP or WINZIP.

MDK538A.EXE (908,615K)
Friday, December 2, 2022

- If you are evaluating the tools, be sure to [request a quote](#) for the full version of the tools.

2. Software installation

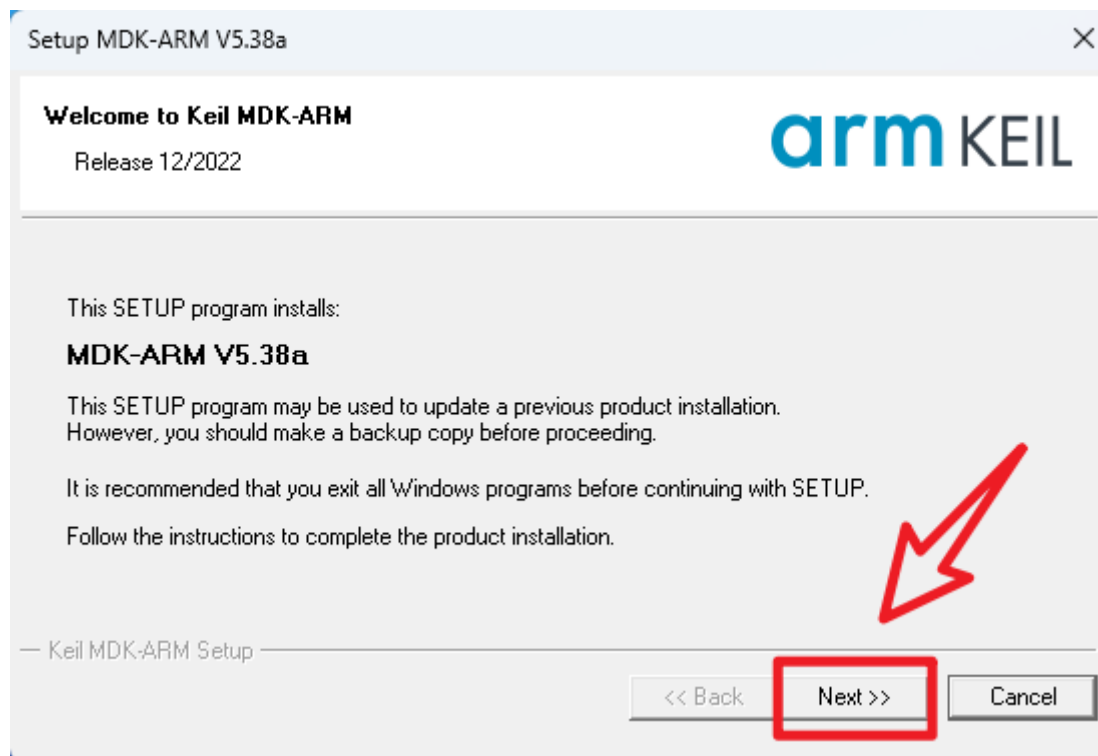
1. Open the installation package

- Administrator

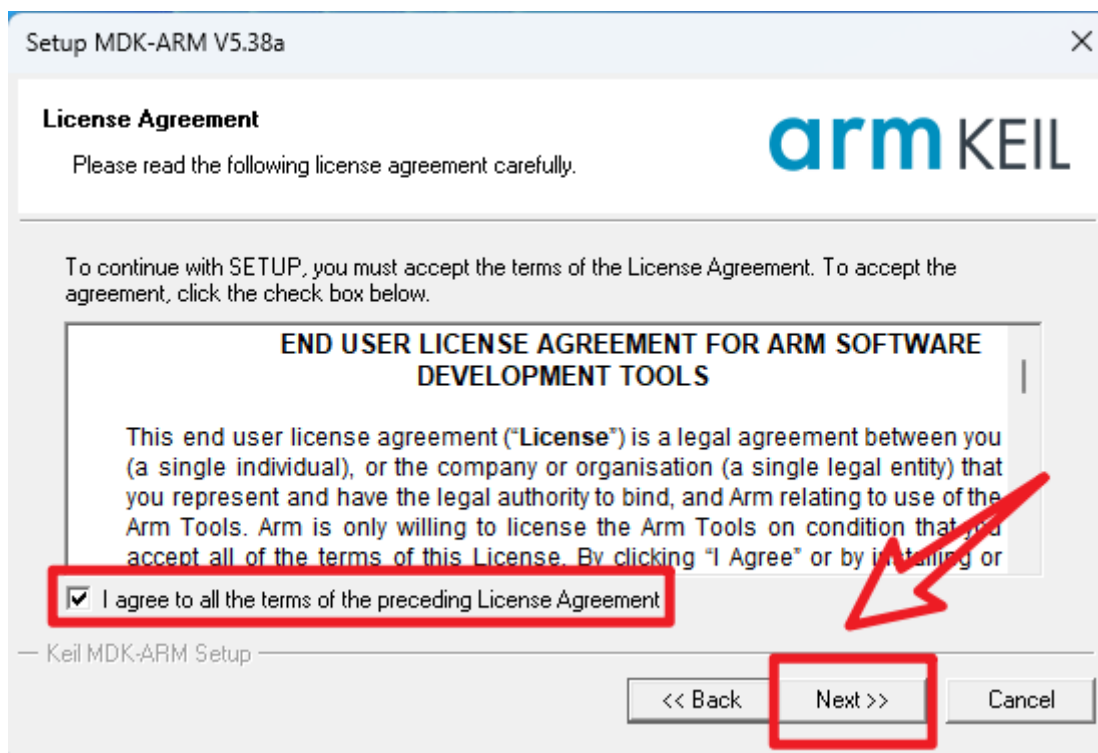
Open the MDK installation package as an administrator.

2. Installation process-settings

- Next

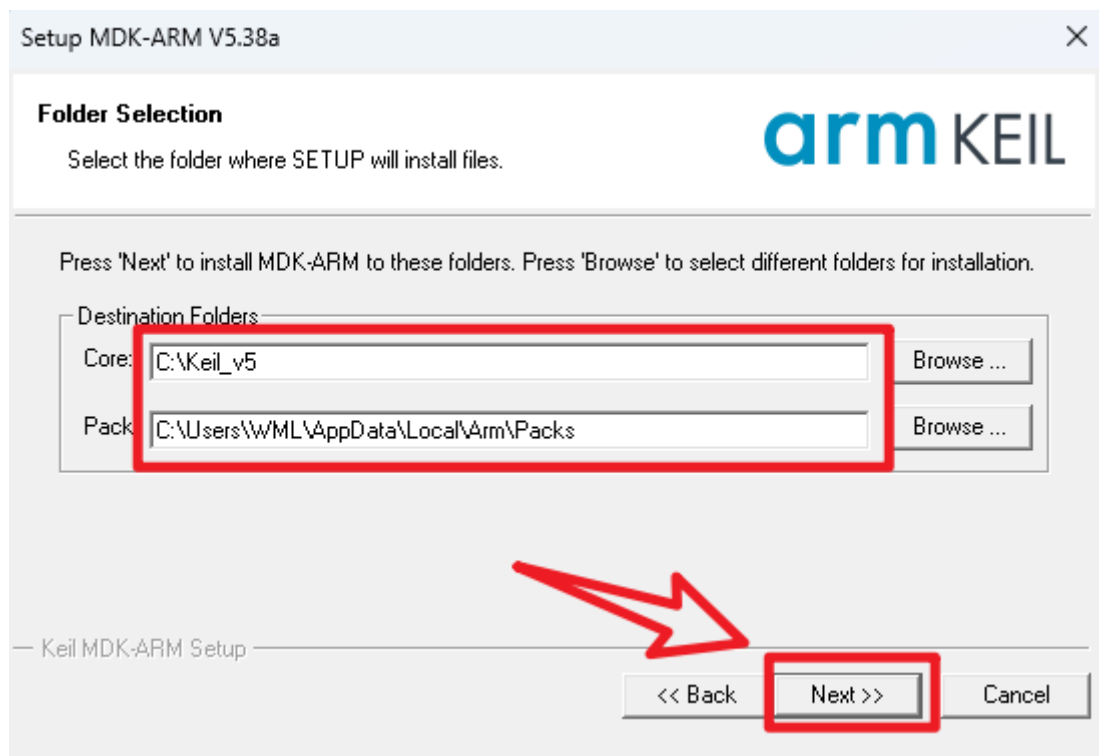


- Check the agreement → Next



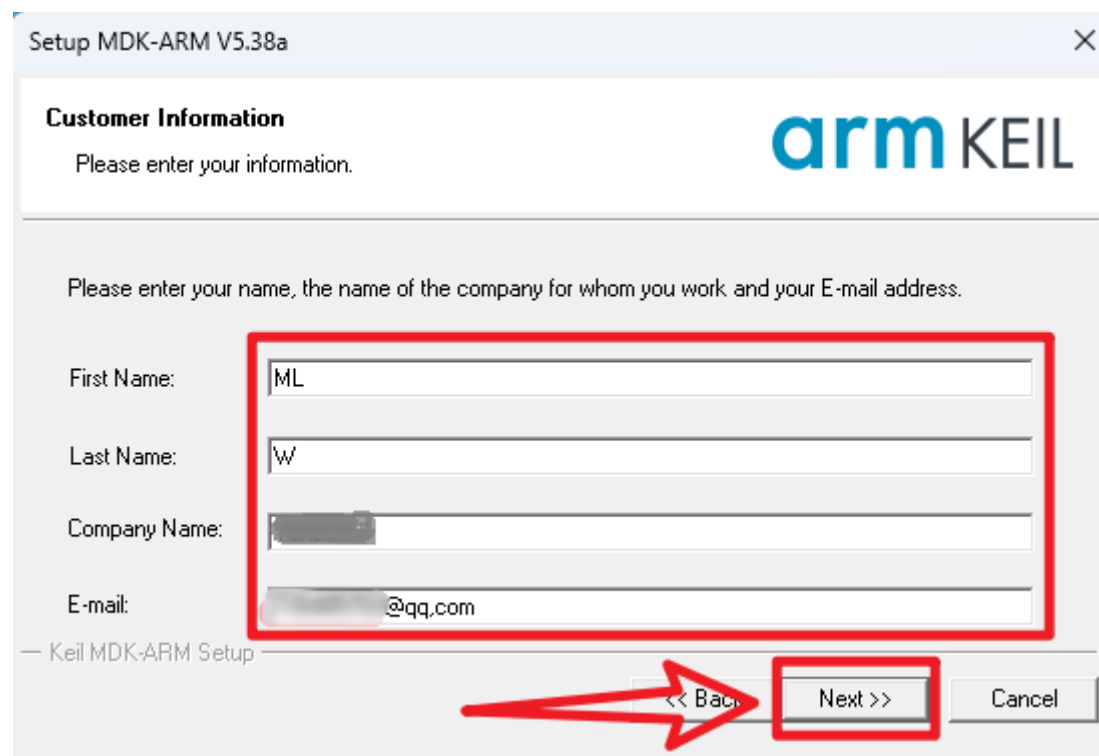
- Installation location → Next

It is recommended to use the system default location

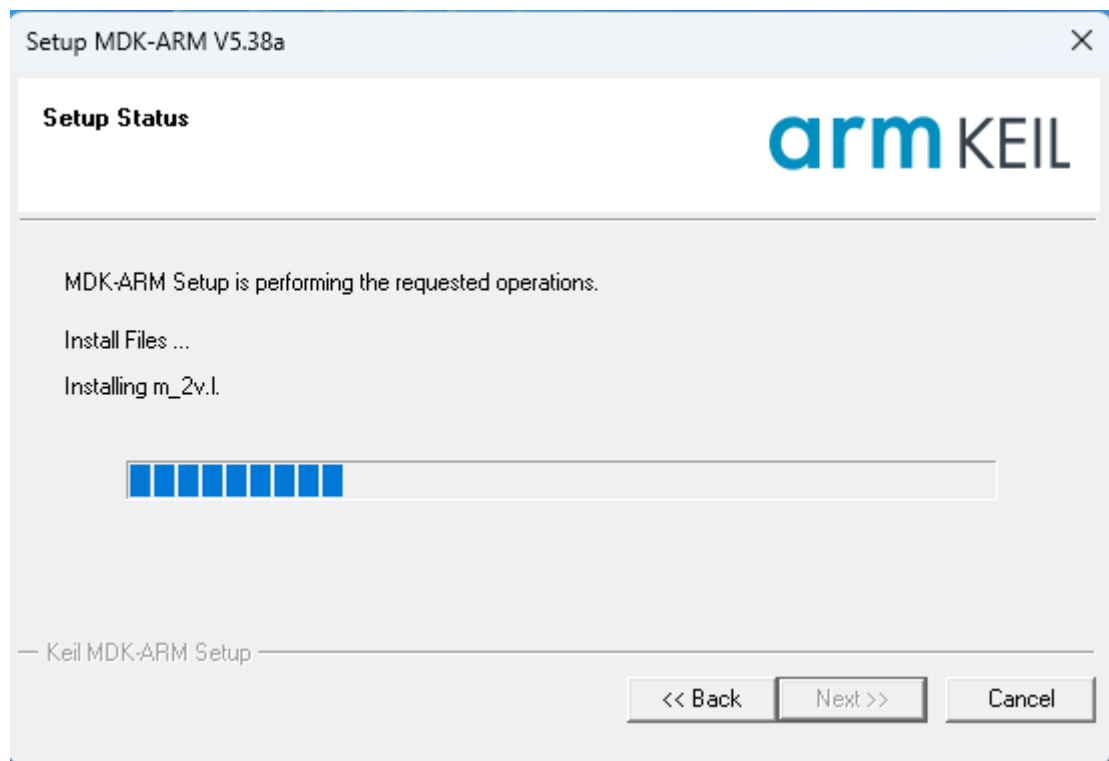


- **User information → Next**

You can fill in as you like



- **Waiting for installation**

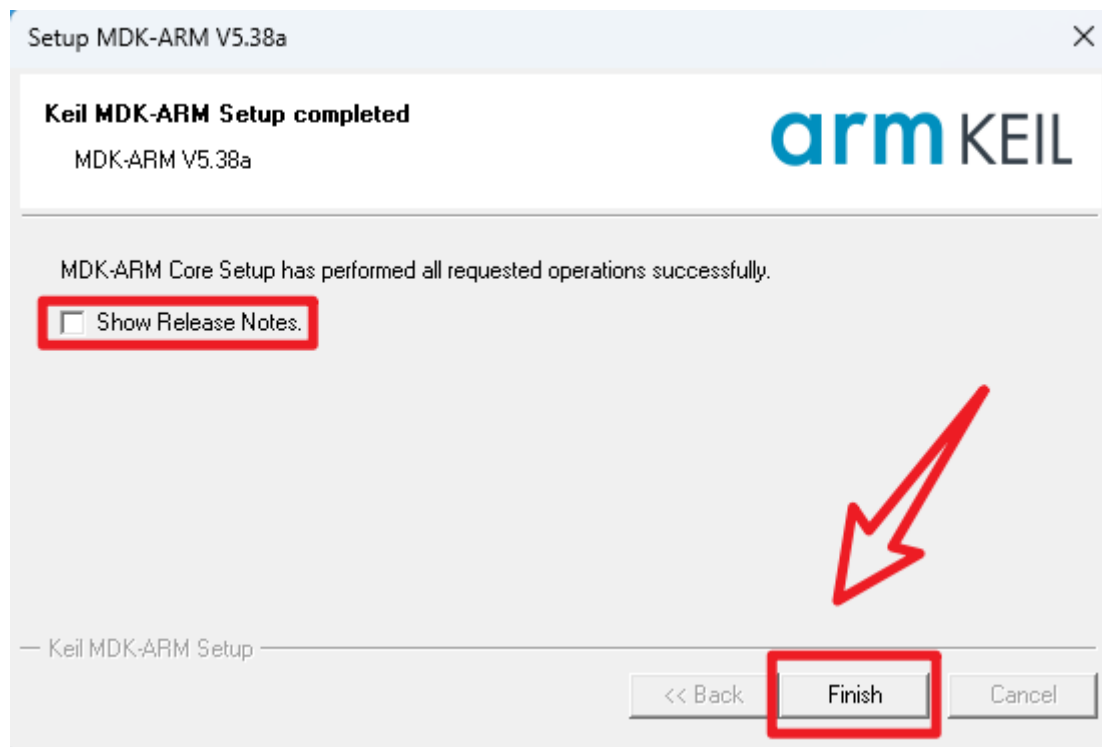


This process takes a long time

- **ULINKL driver installation**



- **Installation completed**



3. Software configuration

Install the chip package required during development

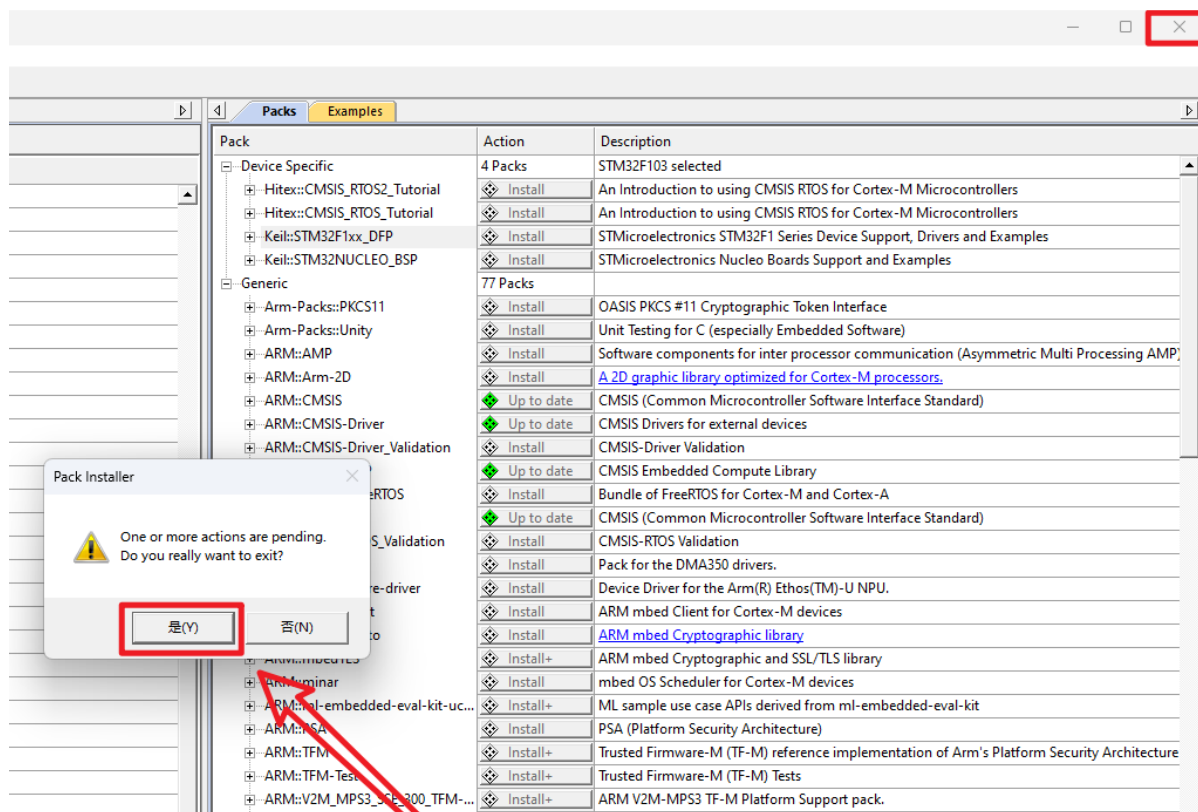
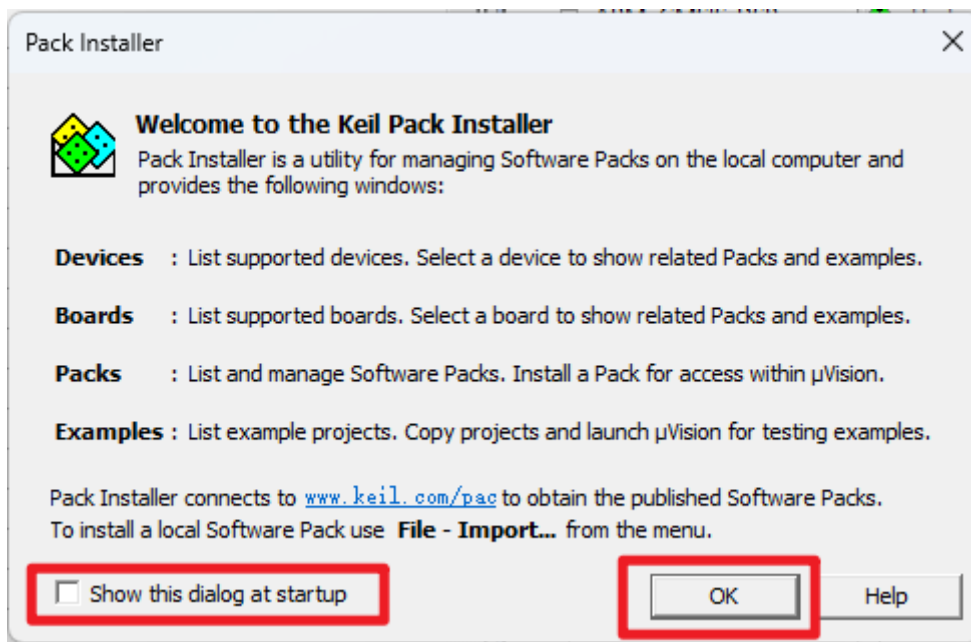
Tutorial demonstrates how to install the STM32F1xx series chip package

1. Open the application

Left mouse button: Double-click the desktop "Keil uVision5" icon



2. Close the start interface

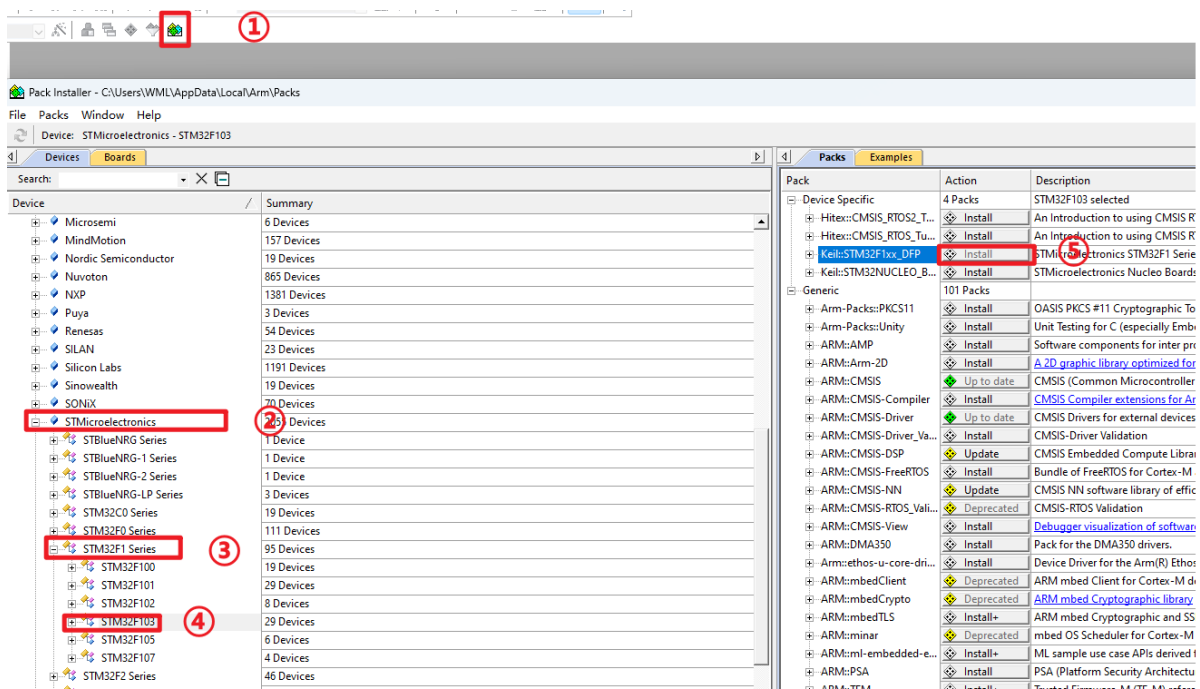


3. Install the chip support package

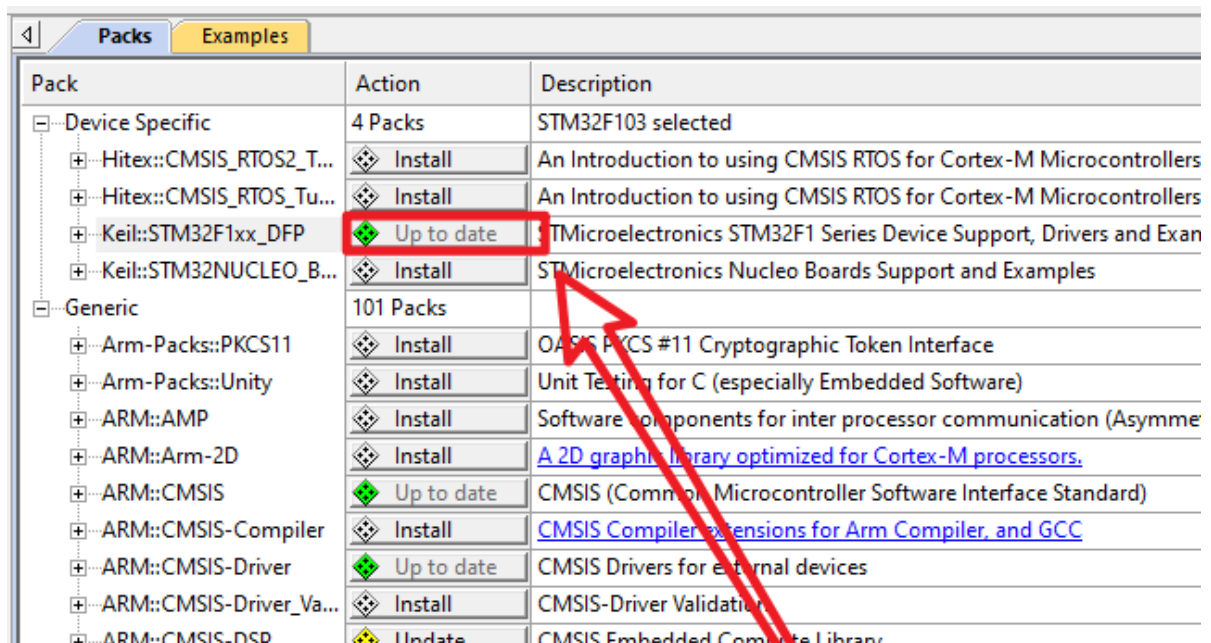
- Pack Installer

keil software comes with it, loading is very slow, not recommended

Installing: The download and installation progress bar is in the lower right corner of the page



Installation completed: After the installation is completed, the update option "Up to date" will appear



- **Official website download chip package**

Official website address: <https://www.keil.arm.com/devices/>

Search chip package: Search for STM32F103 and click on any chip

Devices

Microcontrollers for production applications, designed to work with CMSIS development tools including Keil MDK and Keil Studio. [More about CMSIS.](#)

Vendor

Core

Results (29)

Sort by: Relevance

STM32F1 Series STMicroelectronics 29 Devices

STM32F103 29 Devices

STM32F103C4	Cortex-M3
STM32F103C6	Cortex-M3
STM32F103C8	Cortex-M3
STM32F103CB	Cortex-M3
STM32F103R4	Cortex-M3

View all in sub family (29)

Download chip package: Click "STM32F1xx_DFP"

[Devices](#) > [STM32F1 Series](#) > [STM32F103](#) > STM32F103C8

STM32F103C8

STMicroelectronics

Core

Cortex-M3, 72 MHz

Family

STM32F1 Series

Sub-Family

STM32F103

CMSIS Pack

STM32F1xx_DFP

STMicroelectronics' STM32F1 series of mainstream MCUs covers the needs of a large variety of applications in the industrial, medical and consumer markets. The series offers a wide range of performance with first-class peripherals and low-power, low-voltage operation is paired with a high level of integration of accessible and easy-to-use tools.

Typical applications include motor drives and application control, medical and handheld equipment, industrial applications, PLCs, alarm systems, video intercom, HVAC and home audio equipment.

- LCD parallel interface, 8080/6800 modes
- 5 V-tolerant I/Os
- Timer with quadrature (incremental) encoder input
- 96-bit unique ID

[Features](#)

[Processors](#)

Download the official recommended chip package

Packs > STM32F1xx_DFP

STM32F1xx_DFP

2.4.1

[Download Recommended Pack](#)

Keil

Pack Type

Board Support

Device Support

STMicroelectronics STM32F1 Series Device Support, Drivers and Examples

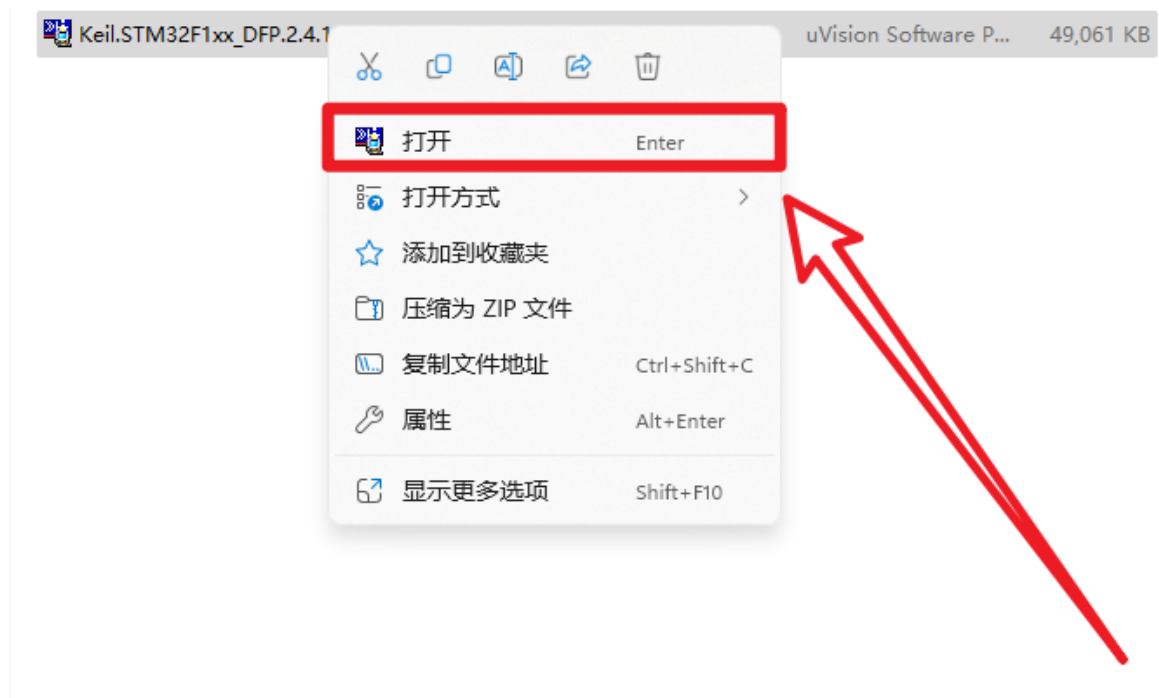
Boards (2)

Devices (95)

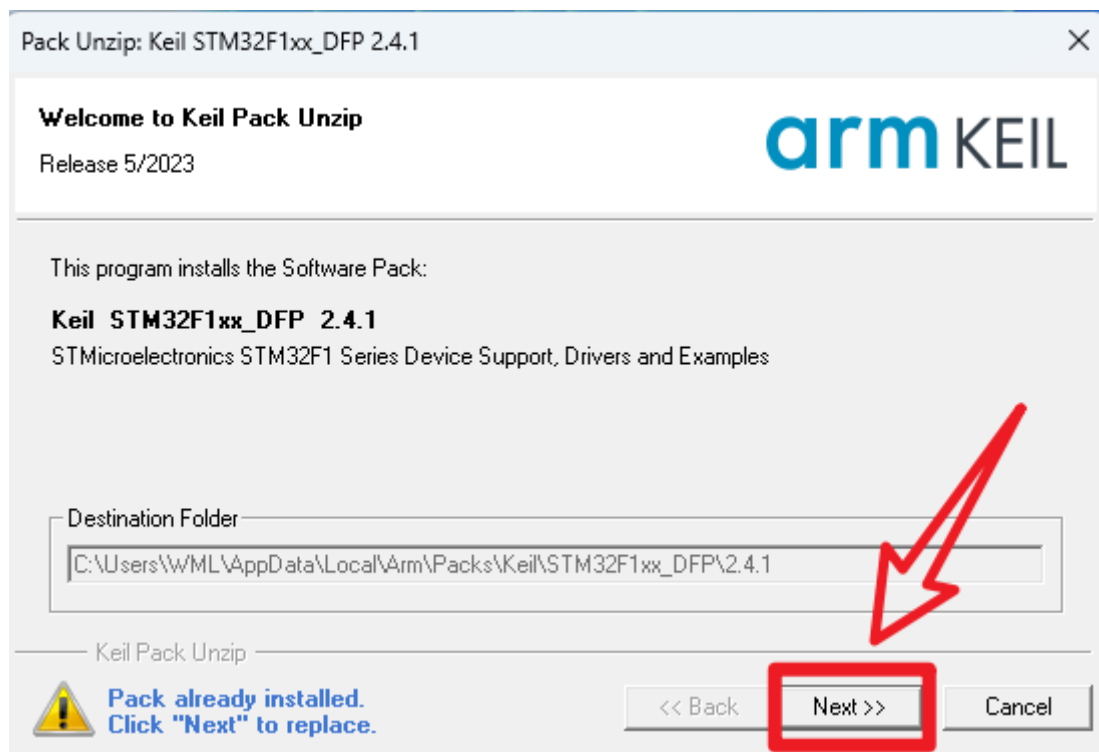
Version History

Search by name or vendor

Open chip support package: Keil.STM32F1xx_DFP.2.4.1

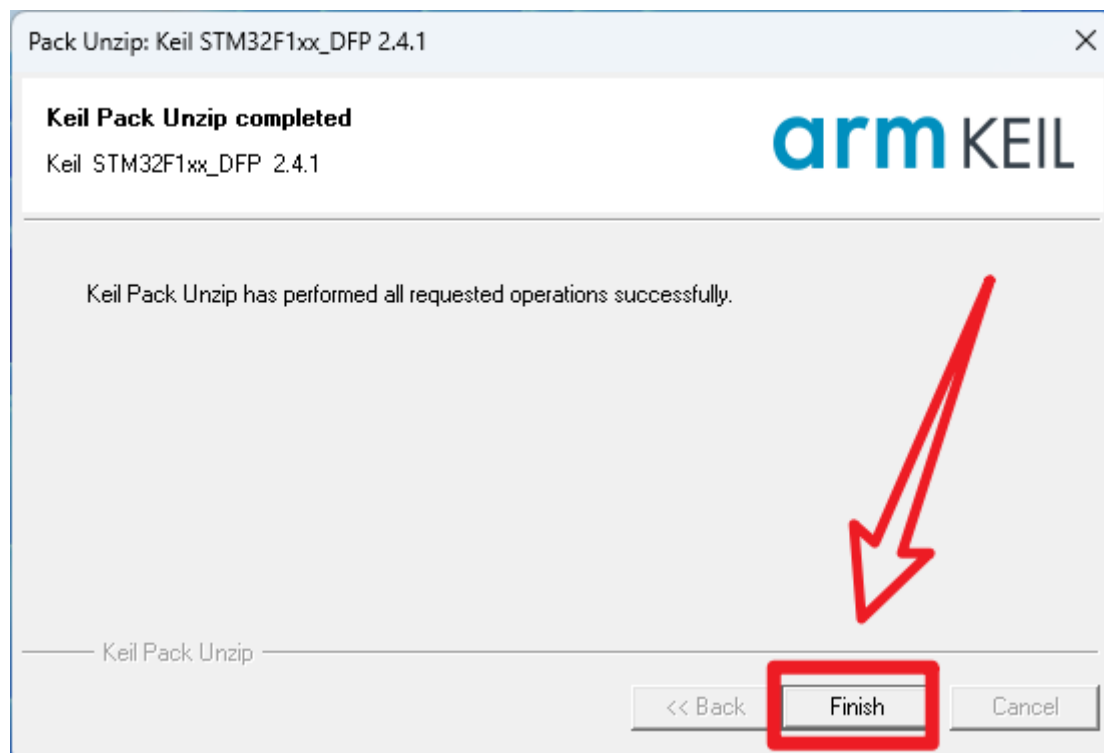


Install chip support package



Since I have installed the chip support package through the "Pack Installer" option, a replacement prompt will appear during installation

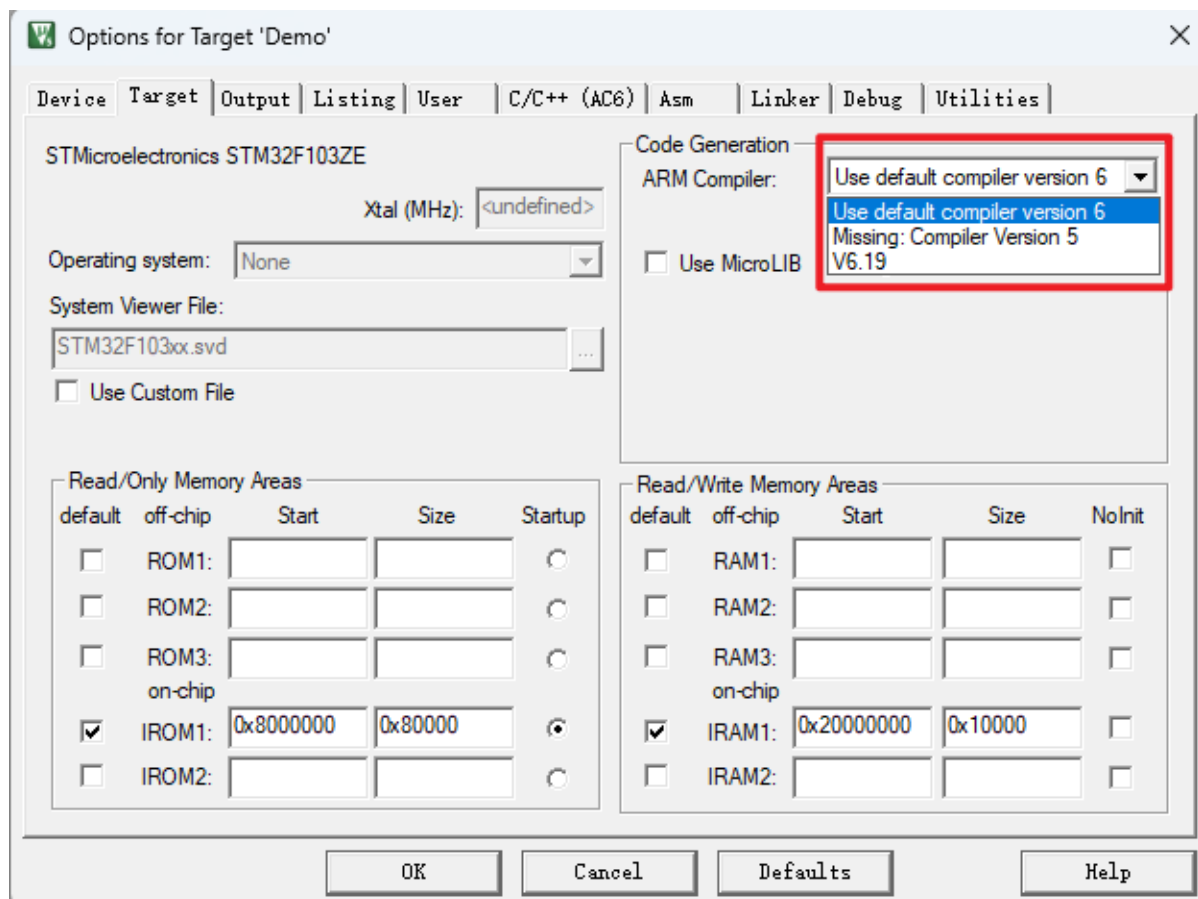
Installation completed



4. ARM Compiler

Starting from MDK5.37, the AC5 (ARMCC) compiler is no longer installed by default and needs to be installed independently.

You need to open a project before you can click this option. You can use the template project provided in the document [Attachment → Source Code Summary] to operate

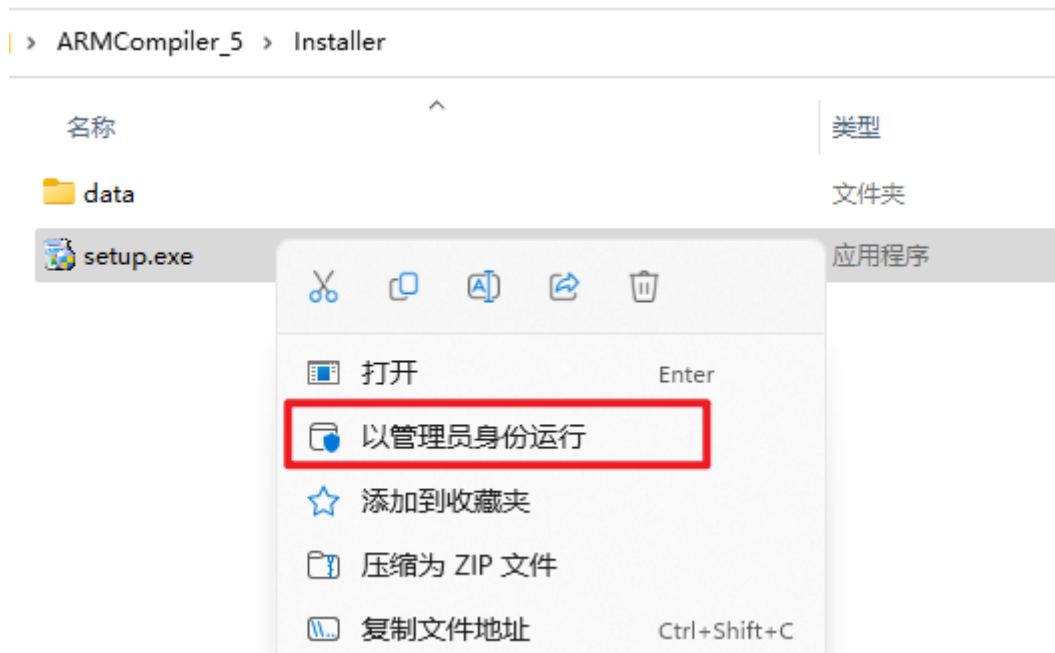


1. Install the compiler

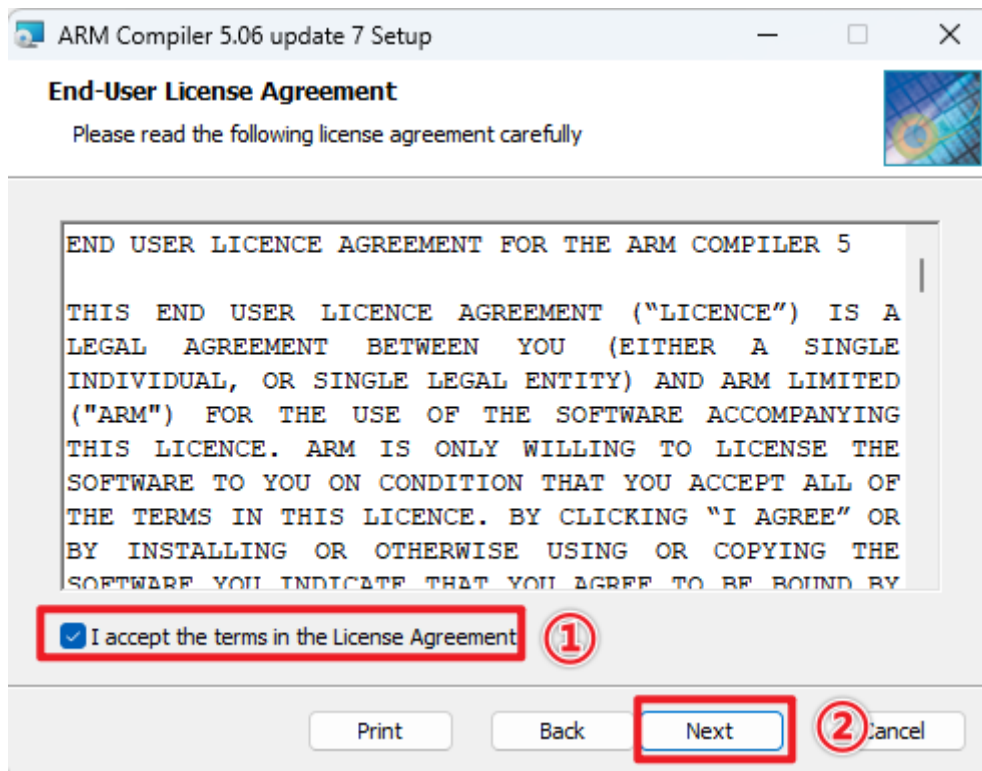
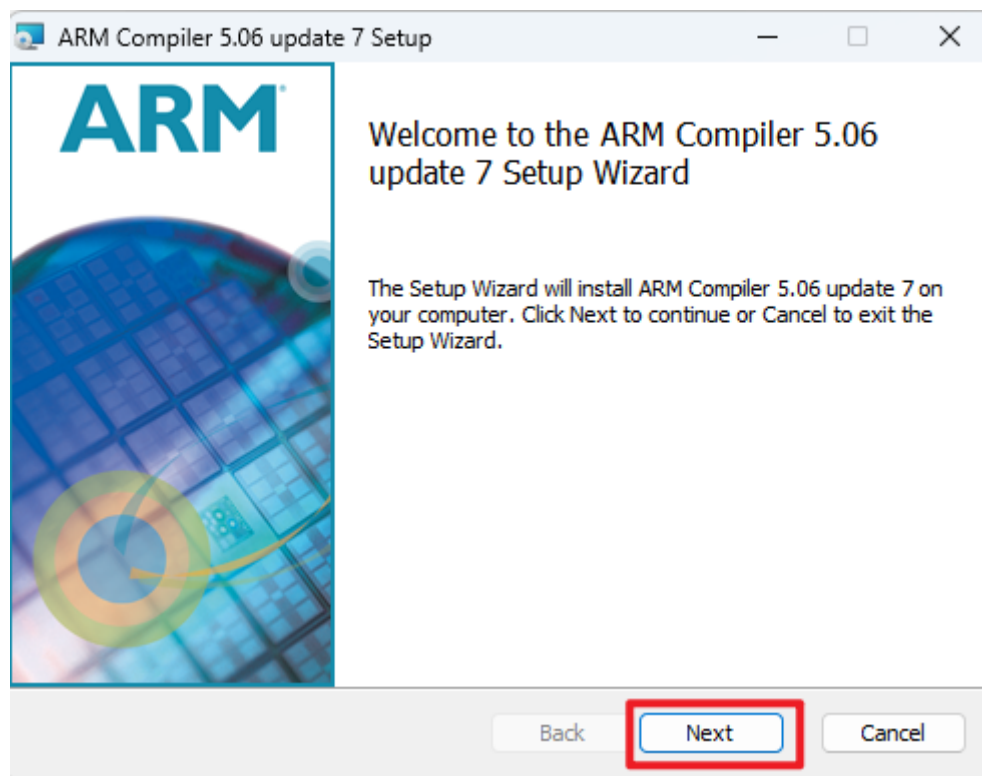
- Unzip the compressed package

Unzip the ARMCompiler_5.zip file, the file location is under [Software-Project File] in this chapter

- Open as Administrator

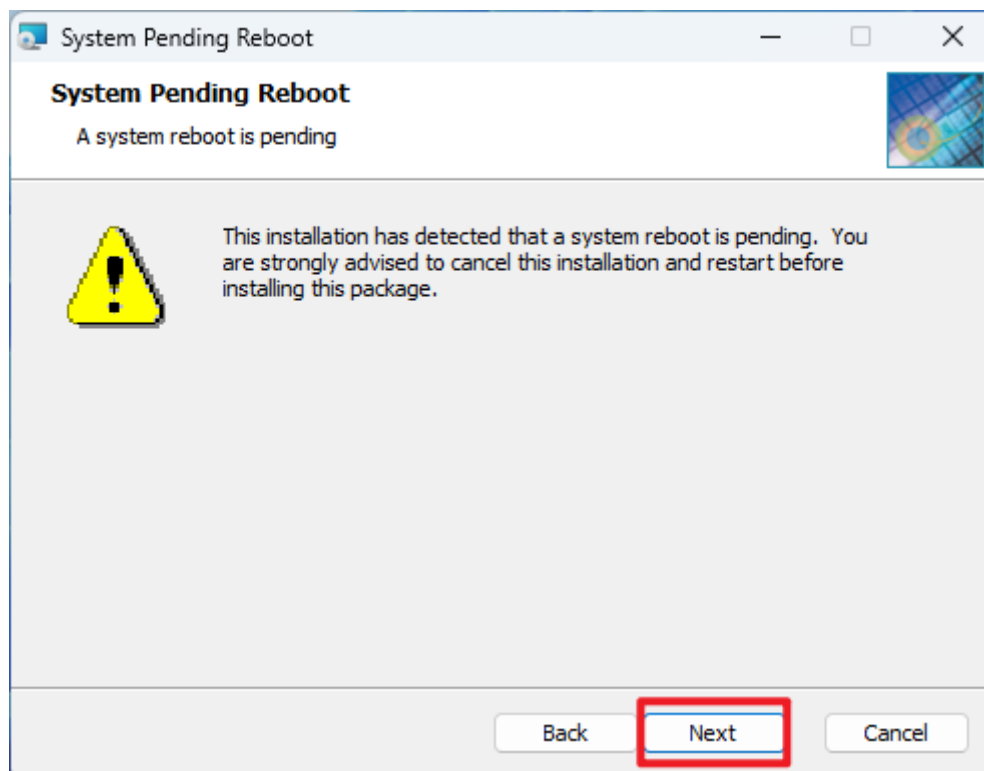
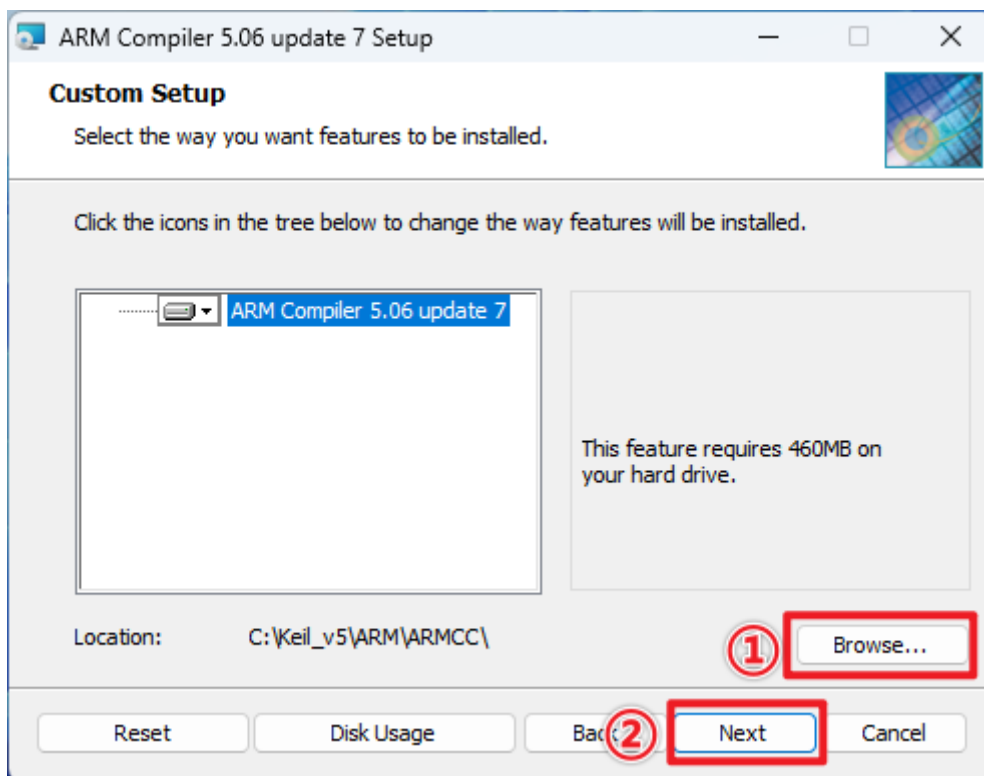


- Next

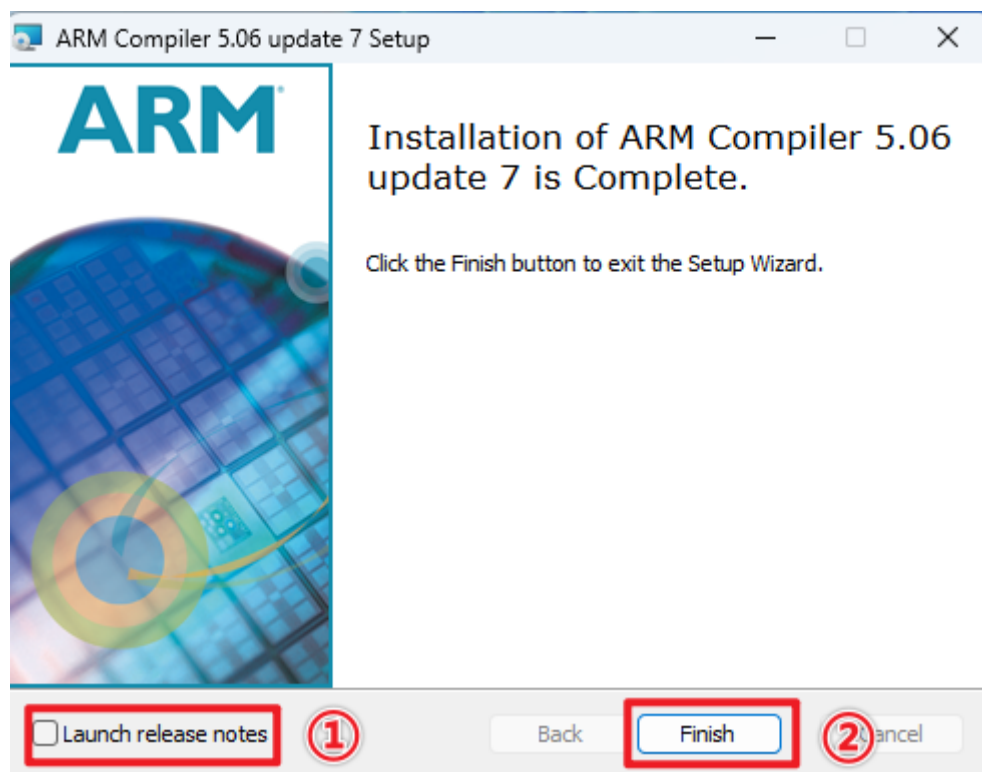
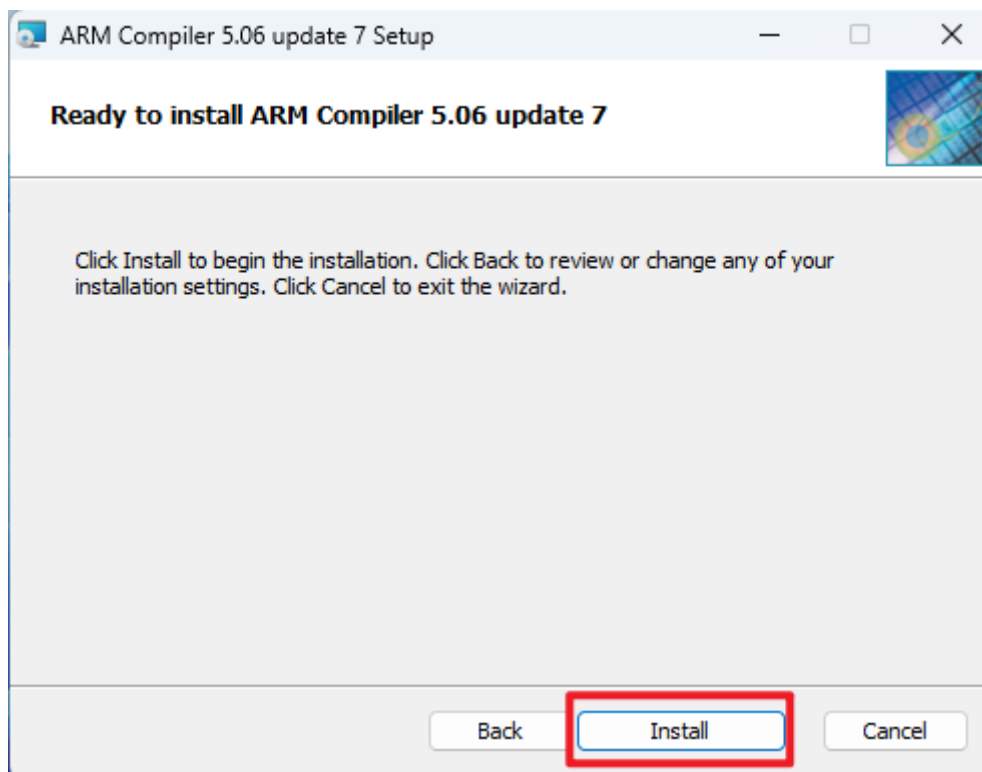


- **Modify the installation location**

Installation location: Create a new ARMCC folder under the C:\Keil_v5\ARM folder and select this folder as the software installation location



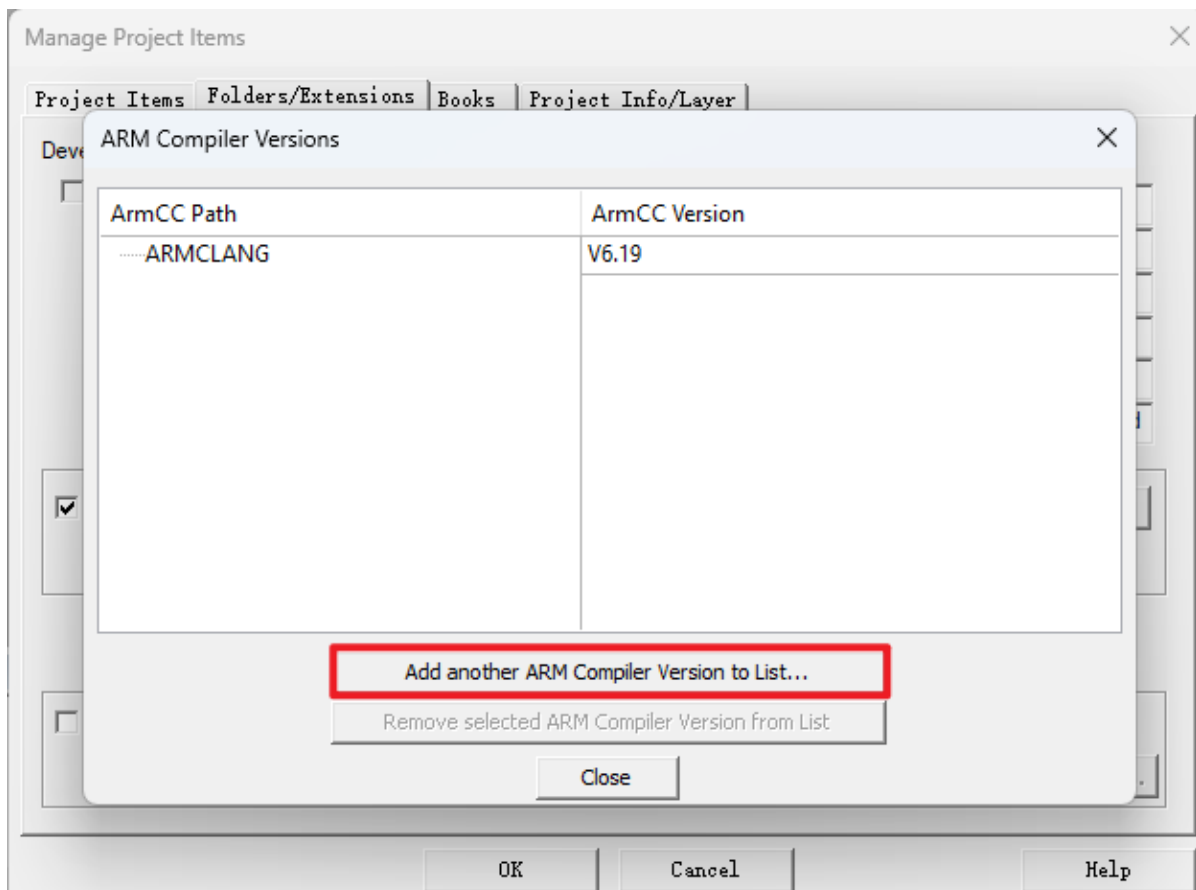
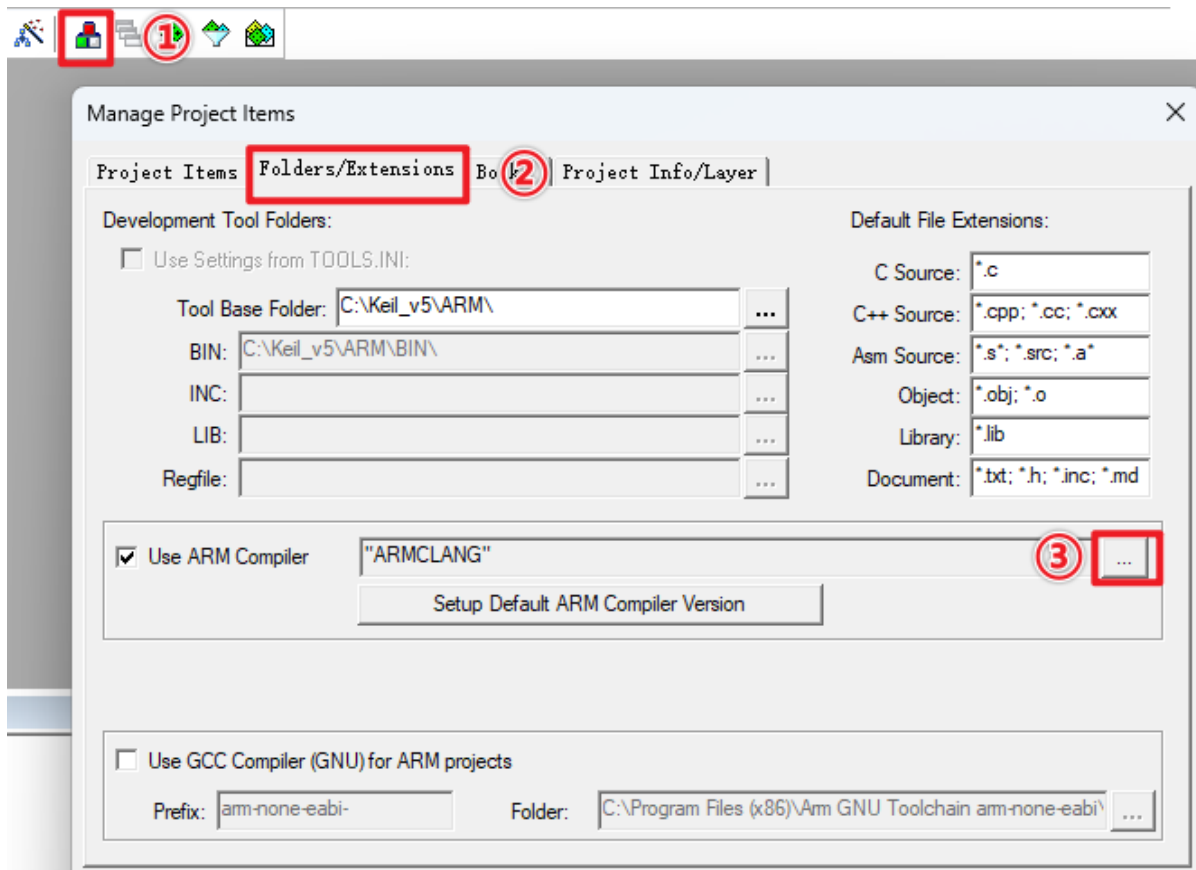
- Installation completed



2. Add compiler

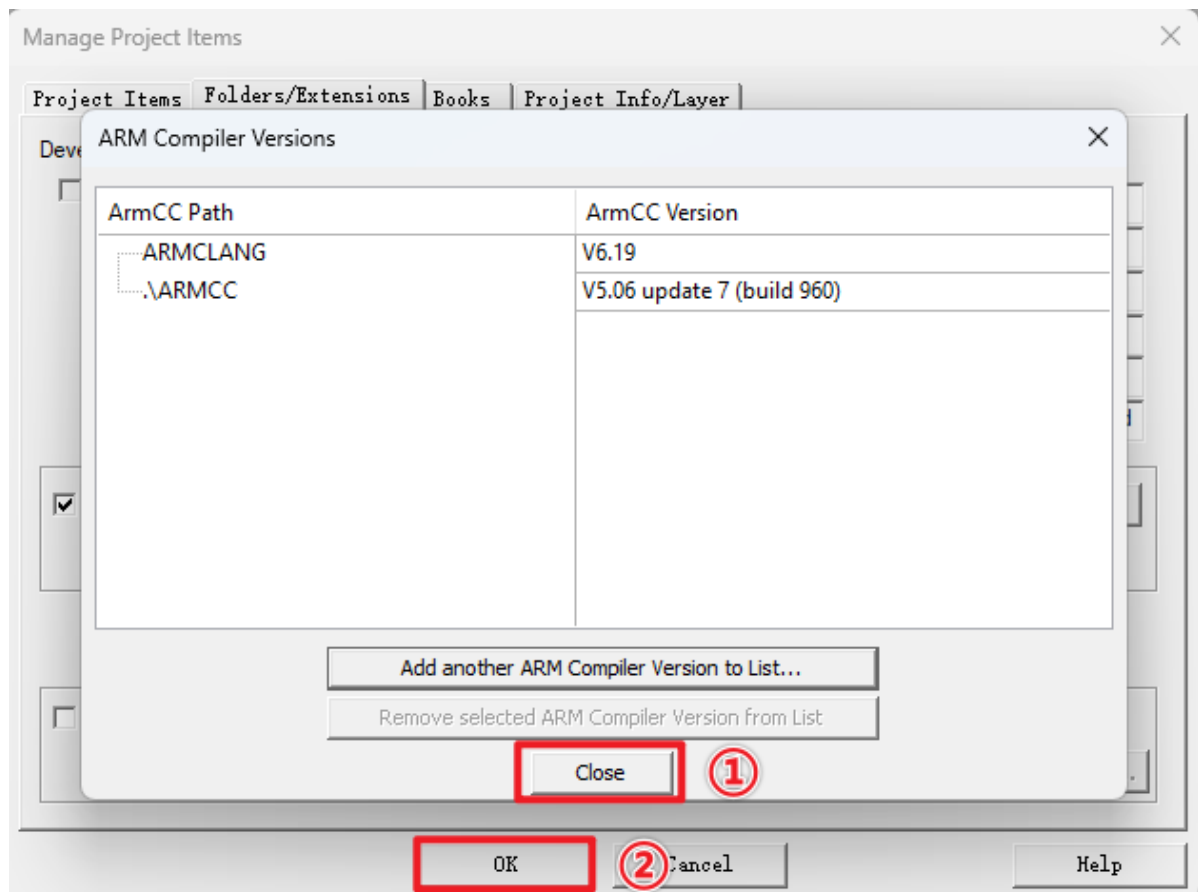
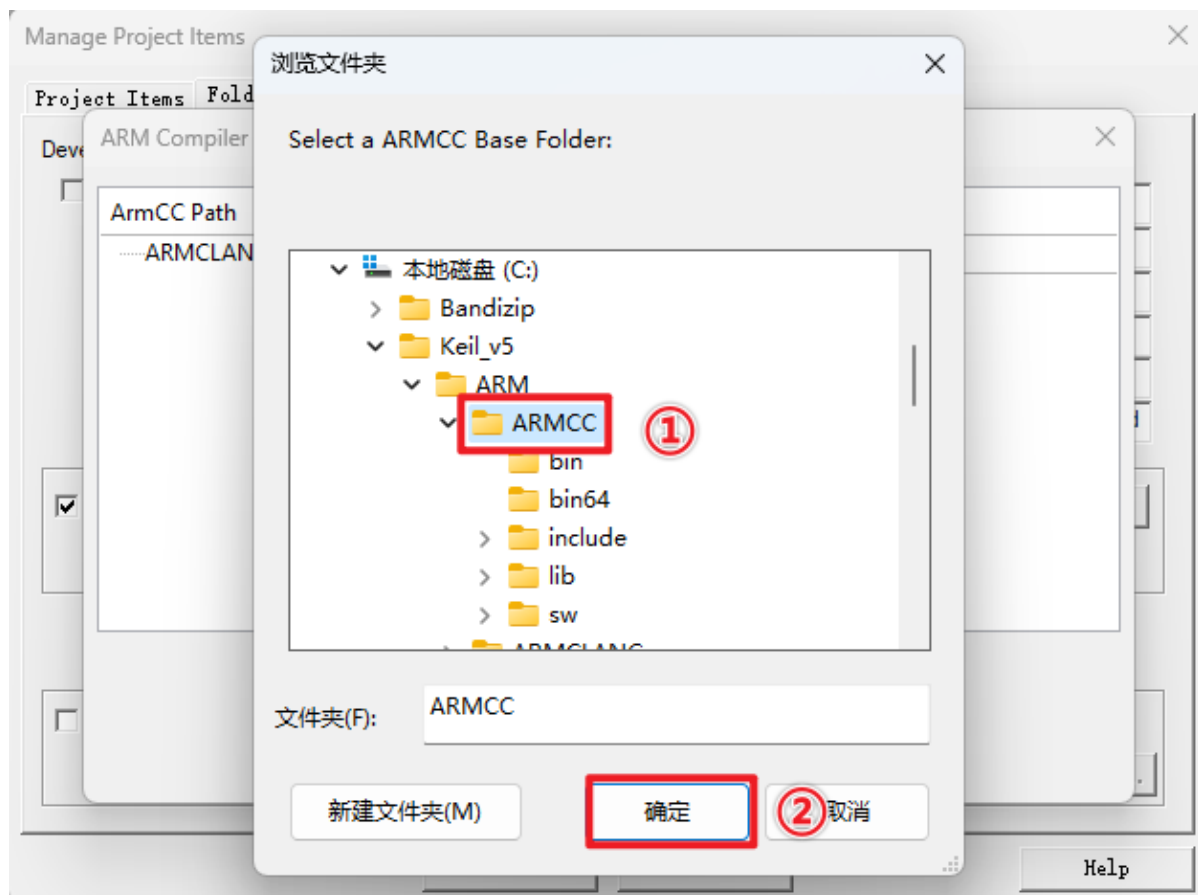
The following operations involve Keil5 software, and you need to open a project; otherwise, the relevant menu options cannot be selected

- **Project management**



- **Compiler path**

Select the location you just installed



3. Verify the installation

If the following options appear, AC5 has been successfully installed!

