



Application Keil Arm Compiler V506 Update 6 Build 750
Installation
Power Application Controller Battery Management

Application Note

ARM Compiler V506 Update 6 Build 750 Installation

Power Application Controller® Battery Management



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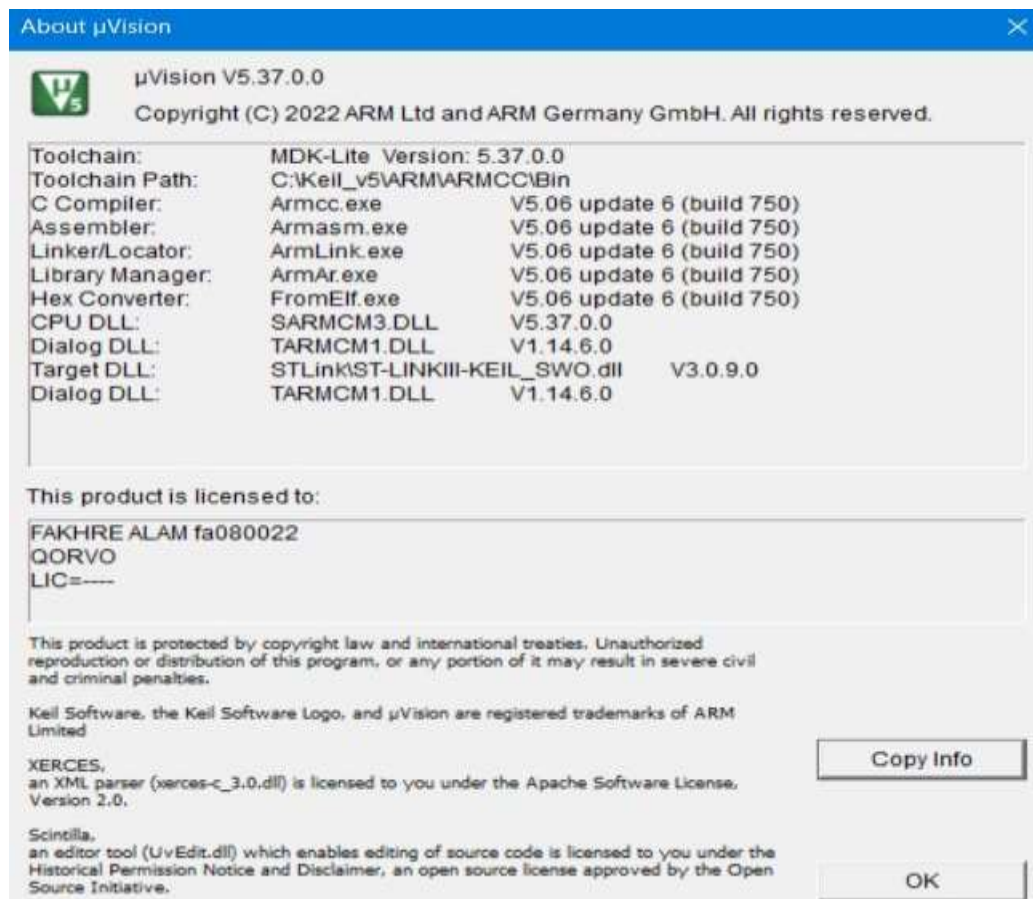
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1 Keil IDE ARM Compiler V506 Update 6 Build 750

1.1 Why we need this Compiler?

Our FOC and BMS code is using ARM Compiler V506 Update 6 Build 750 with Keil IDE. Keil is not supporting this compiler by default. If user don't have ARM Compiler V506 Update 6 Build 750 installed he is good but if they don't have this version, they need to install else code will not compile under Kiel IDE.

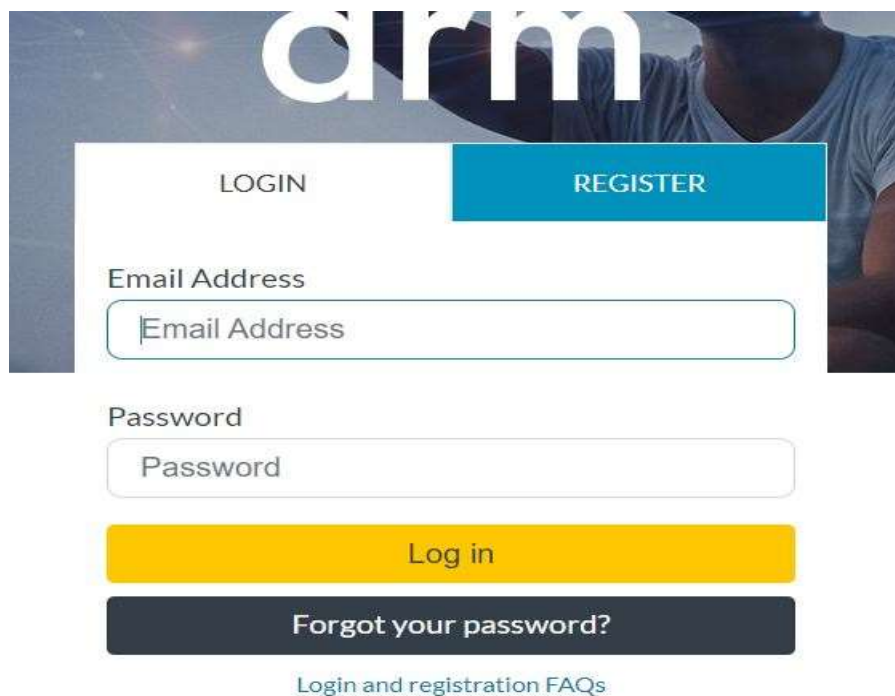
User can check by version of IDE and compiler installed by checking About uVision page as follows.



If C Compiler V5.06 update 6 (build 750) and other pieces are there then no need to install you are good to go else need to follow this procedure to install the Compiler V5.06 update 6 (build 750).

1.2 ARM Free Developer Account

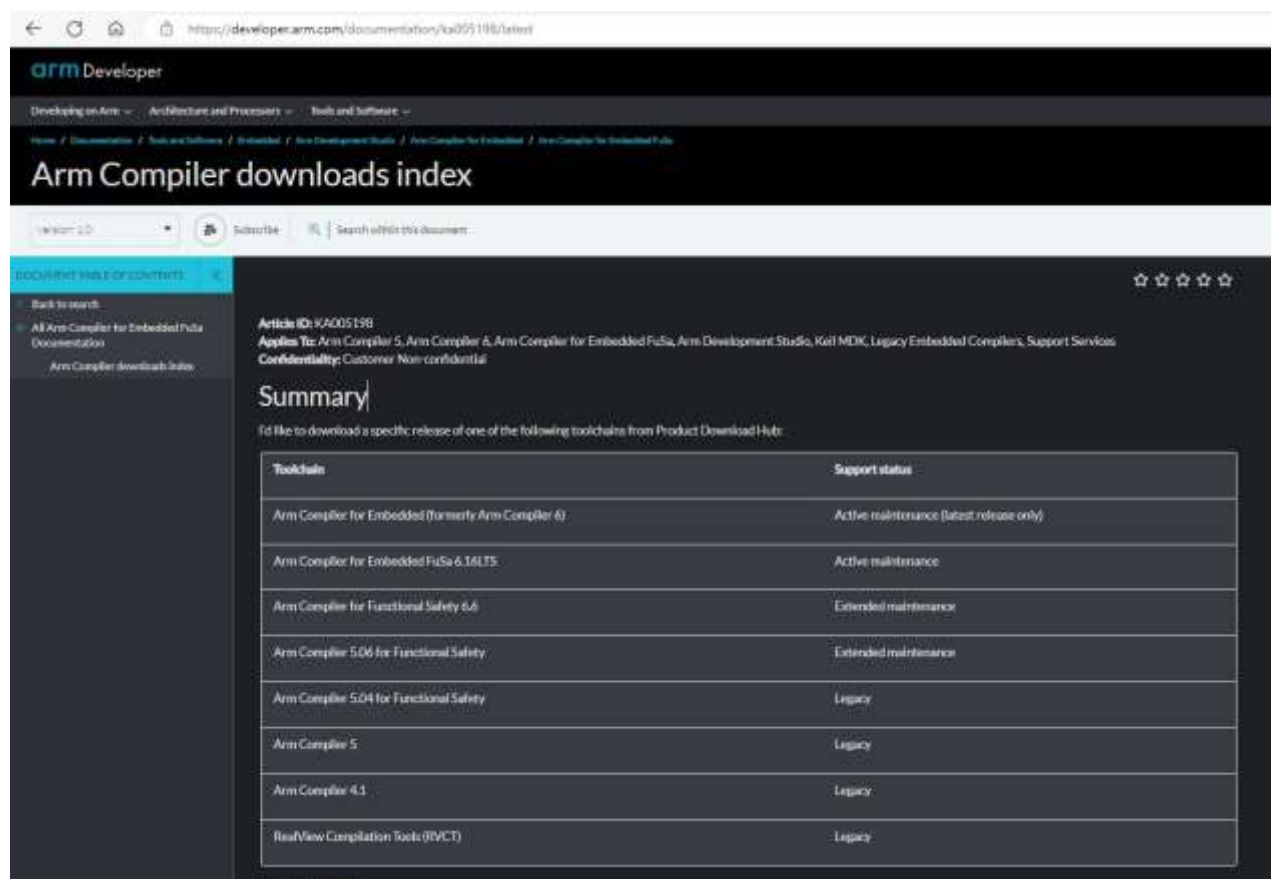
For download old ARM compiler ARM requires user to use ARM free account, if don't have one you can create by using this link.



The image shows the ARM login and registration interface. At the top, there is a large 'arm' logo. Below it, there are two buttons: 'LOGIN' and 'REGISTER'. The 'REGISTER' button is highlighted in blue. Below the buttons, there are two input fields: 'Email Address' and 'Password'. The 'Email Address' field has a placeholder text 'Email Address'. Below the input fields, there is a yellow 'Log in' button and a dark grey 'Forgot your password?' button. At the bottom, there is a link for 'Login and registration FAQs'.

Here is the list of all Compiler available at ARM developer sit for free.

[Arm Compiler downloads index](#)



The screenshot shows the ARM Developer website's 'Arm Compiler downloads index' page. The page header includes the ARM Developer logo and navigation links. The main content area is titled 'Arm Compiler downloads index' and features a search bar and a 'Subscribe' button. Below the header, there is a sidebar with a 'DOCUMENT TABLE OF CONTENTS' and a main content area with the following details:

- Article ID:** KA005198
- Applies To:** Arm Compiler 5, Arm Compiler 6, Arm Compiler for Embedded FuSa, Arm Development Studio, Keil MDK, Legacy Embedded Compilers, Support Services
- Confidentiality:** Customer Non-confidential
- Summary:** If'd like to download a specific release of one of the following toolchains from Product Download Hub:

Toolchain	Support status
Arm Compiler for Embedded (formerly Arm Compiler 6)	Active maintenance (latest release only)
Arm Compiler for Embedded FuSa 6.16 LTS	Active maintenance
Arm Compiler for Functional Safety 6.6	Extended maintenance
Arm Compiler 5.06 for Functional Safety	Extended maintenance
Arm Compiler 5.04 for Functional Safety	Legacy
Arm Compiler 5	Legacy
Arm Compiler 4.3	Legacy
RealView Compilation Tools (RVCT)	Legacy

https://developer.arm.com/documentation/ka005198/1-0

Developer

Architecture and Processors Tools and Software

Subscribe Search within this document

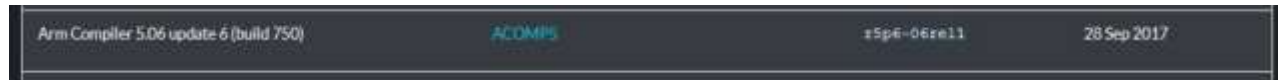
Arm Compiler 6.14	ACOMP6	r6p14-00rel10	28 Feb 2020
Arm Compiler 6.13.1	Available only in Keil MDK 5.29	MDK 5.29	13 Nov 2019
Arm Compiler 6.13	ACOMP6	r6p13-00rel10	10 Oct 2019
Arm Compiler 6.10.1	ACOMP6	r6p10-01rel10	14 Jun 2018
Arm Compiler 6.9	ACOMP6	r6p9-00rel10	25 Oct 2017
Arm Compiler 5.06 update 7 (build 960)	ACOMP5	r5p6-07rel11	14 Sep 2020
Arm Compiler 5.06 update 6 (build 750)	ACOMP5	r5p6-06rel11	28 Sep 2017
Arm Compiler 5.06 update 5 (build 528)	ACOMP5	r5p6-05rel11	03 Feb 2017
Arm Compiler 5.06 update 4 (build 422)	ACOMP5	r5p6-04rel11	29 Sep 2016
Arm Compiler 5.06 update 3 (build 300)	ACOMP5	r5p6-03rel11	25 May 2016
Arm Compiler 5.05 update 1 (build 106)	ACOMP5	r5p5-01rel11	2 Dec 2014
Arm Compiler 5.04 update 1 (build 49)	ACOMP5	r5p4-01rel11	14 Feb 2014
Arm Compiler 5.03 (build 24)	ACOMP5	r5p3-00rel11	31 Jan 2013
Arm Compiler 5.01 update 4 (build 113)	ACOMP5	r5p1-04rel11	21 May 2012
Arm Compiler 5.01 update 3 (build 94)	ACOMP5	r5p1-03rel11	23 Mar 2012
Arm Compiler 4.1 patch 6 (build 894)	ACOMP5	r4p1-04rel10	31 Oct 2011
RVCT 4.0 patch 3 (build 561)	ACOMP5	r4p0-03rel10	20 Jul 2009

One we are interested in downloading is.

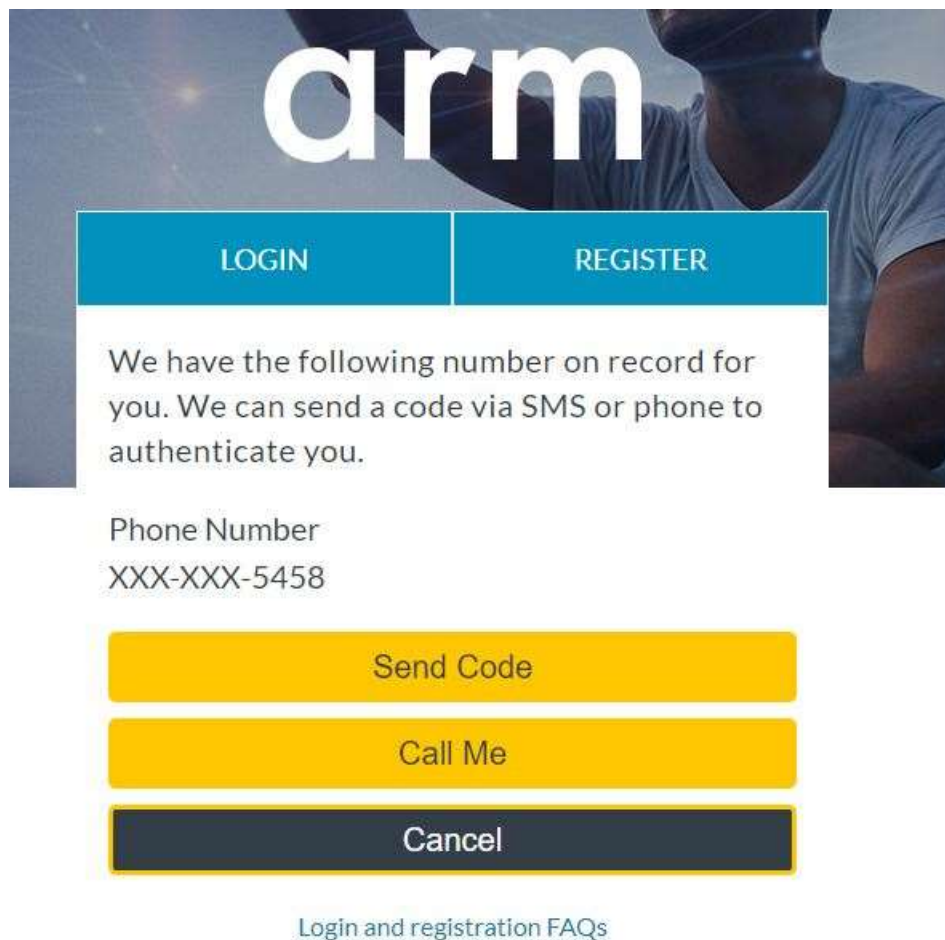
Arm Compiler 5.06 update 6 (build 750)	ACOMP5	r5p6-06rel11	28 Sep 2017
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The number of this compiler is r5p6-06rel11.

Please click on this Compiler link



Compiler link we bring user to another screen that will user to verify his account by text message or phone call.





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Please press Call Me, you will get an automatic call, after pressing # at phone keypad, ARM will take you to Compiler download page.

The screenshot shows the ARM Developer website interface. The top navigation bar includes links for Home, Product Search, Recently Viewed, Category Tag Classification, Getting Started, and Download queue. The main content area is titled "Legacy Arm Compiler 5, 4.1, and RVCT (ACOMP5)" and includes a sub-header "Product Line: Software Development Tools - ECCN: 3D981". The "Releases" section allows users to sort by "Available date" or "Revision" and shows a list of releases. An "Important note" section provides information about the product's terms and conditions. The "Releases" section lists two releases: "Arm Compiler 5.03 (build 24) Lin32" and "Arm Compiler 5.03 (build 24) Win32". Each release includes details such as Name, Description, Filename, and MD5 hash. The "Releases" section also includes a "Download queue" button and a "Download Now" button.

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Make sure to select this version Arm Compiler 5.06 update 6
(build 750) win32, press Download Now

Arm Compiler 5.06 update 6 (build 750)	ACOMP5	r5p6-06rel1	28 Sep 2017
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Please accept license.

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19 December 2022

CONFIDENTIAL

LES-PRE-21260

Version 12.5

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AGREE

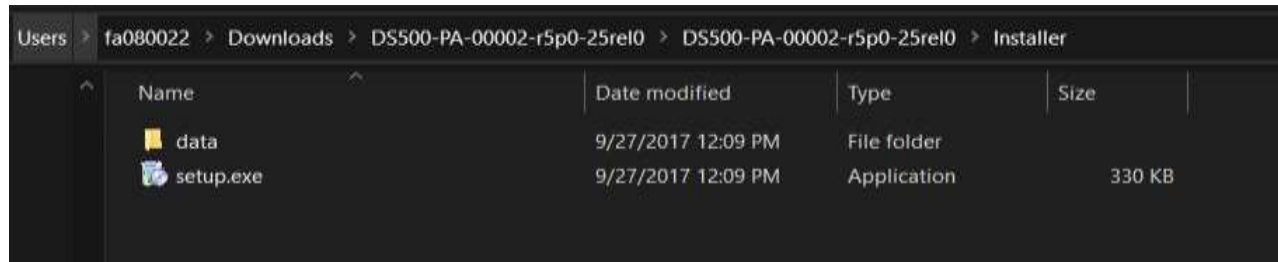
Powered by DocuSign

When download will complete, unzip the file.

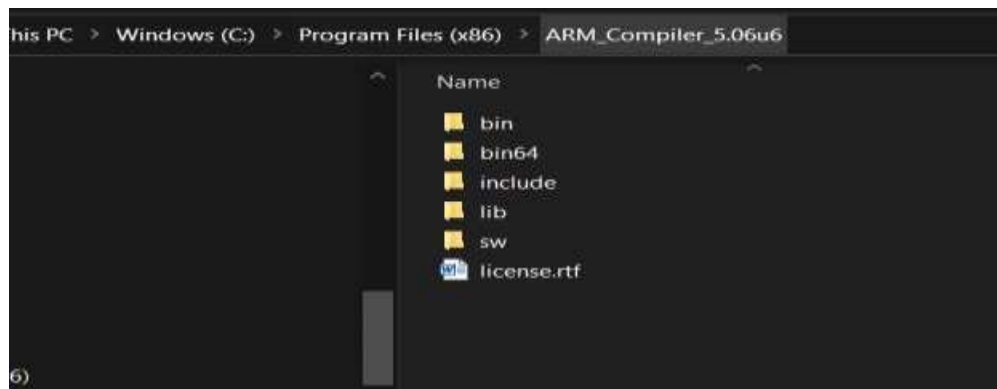
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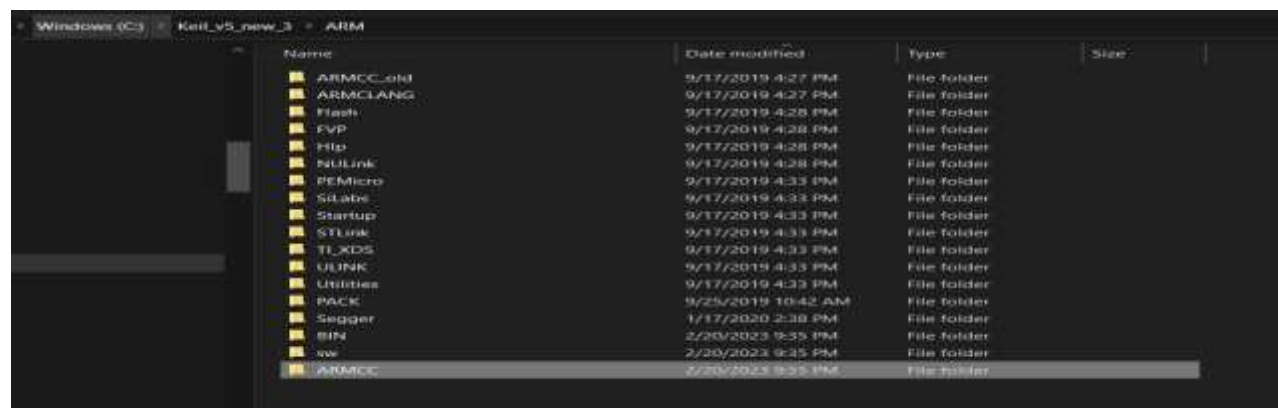
After unzip run setup.exe, user need to run this administrator.



Install the files in the default directory, that will be.



Copy all these files, go to the folder where u have Kiel IDE Installed.



Create folder name called ARMCC, copy all of ARM Compiler in this folder.

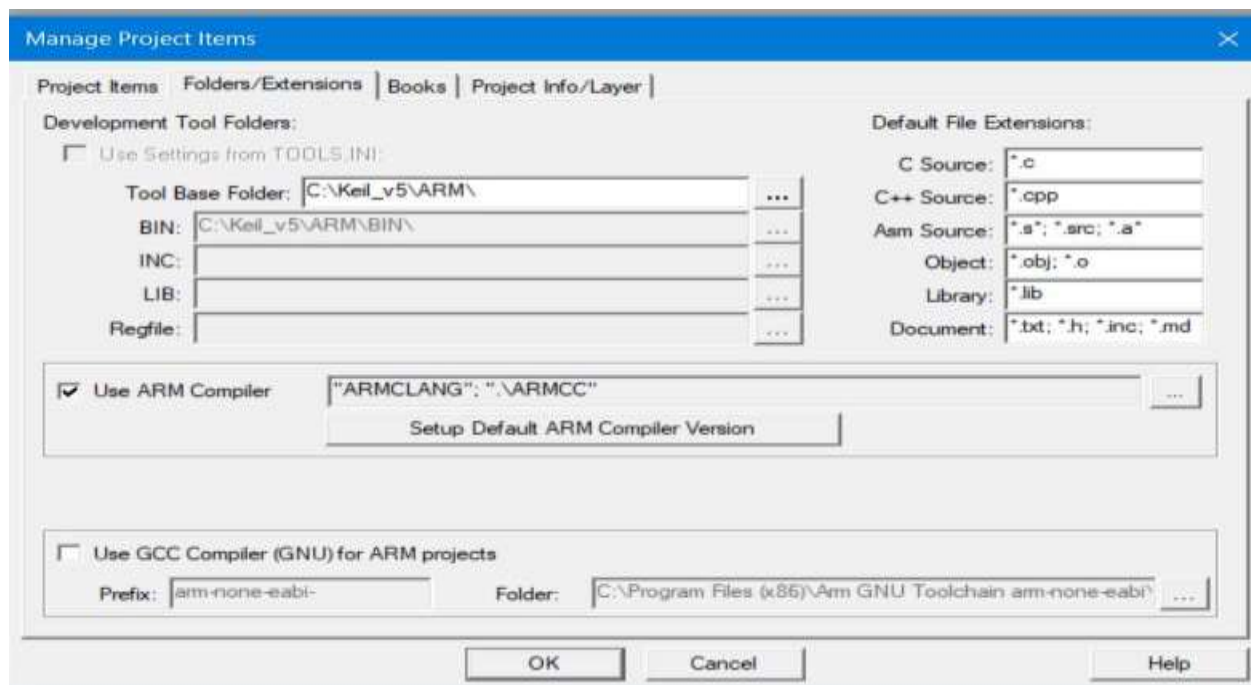
1.3 How to add Arm Compiler V506 Update 6 Build 750 to Keil IDE

This procedure is only required if user don't have Arm Compiler V506 installed.

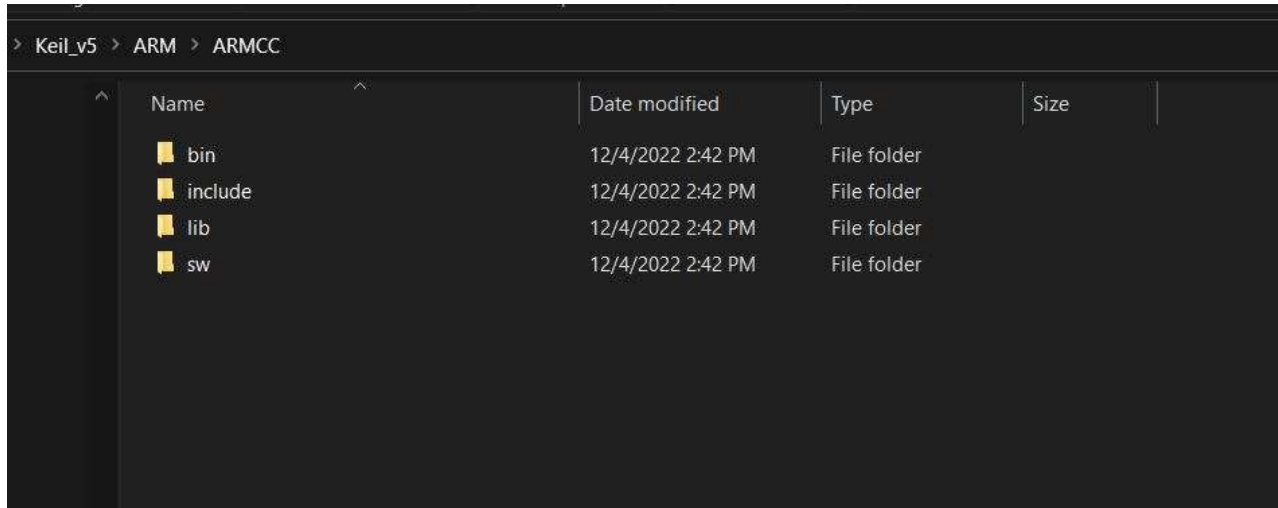
Click Project -> Manage -> Project items



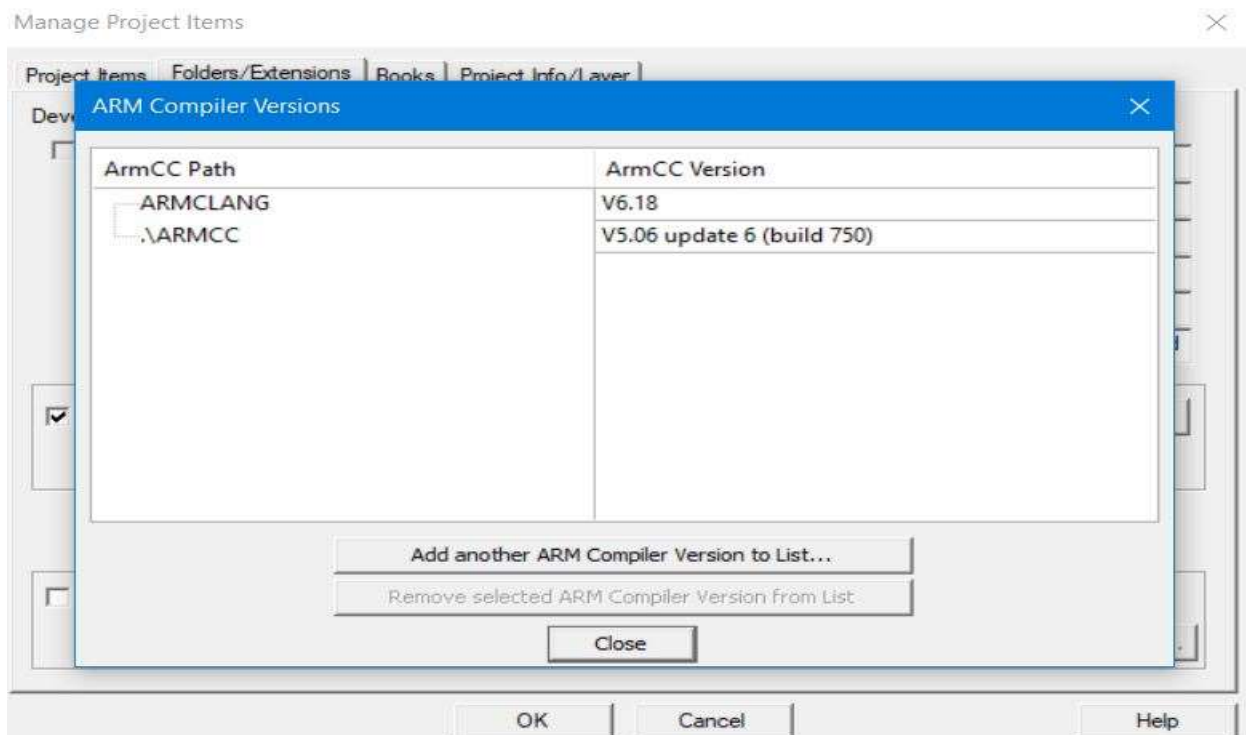
User Use ARM Compiler, Click on browse.



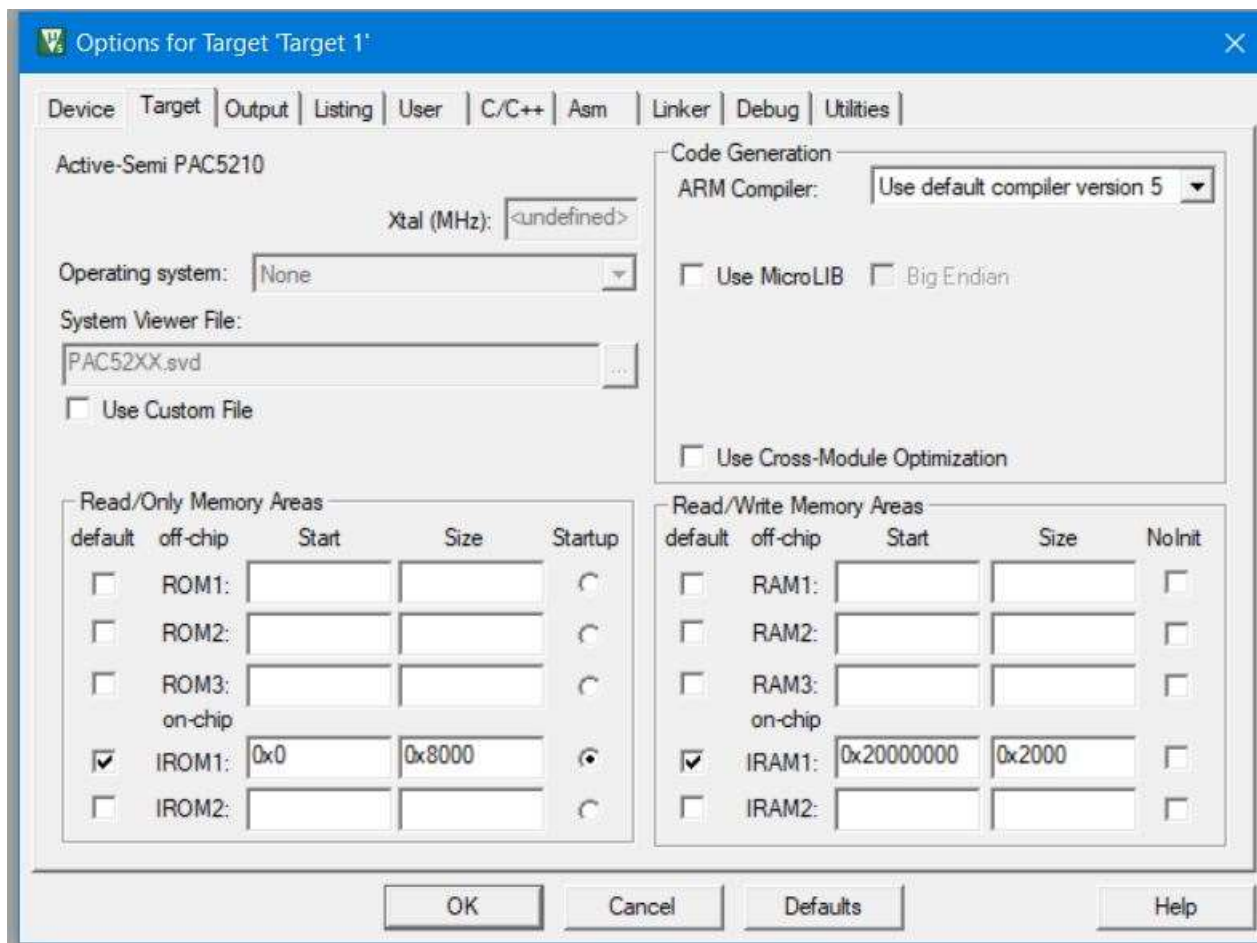
Browse to ARM directory where we copied file earlier.



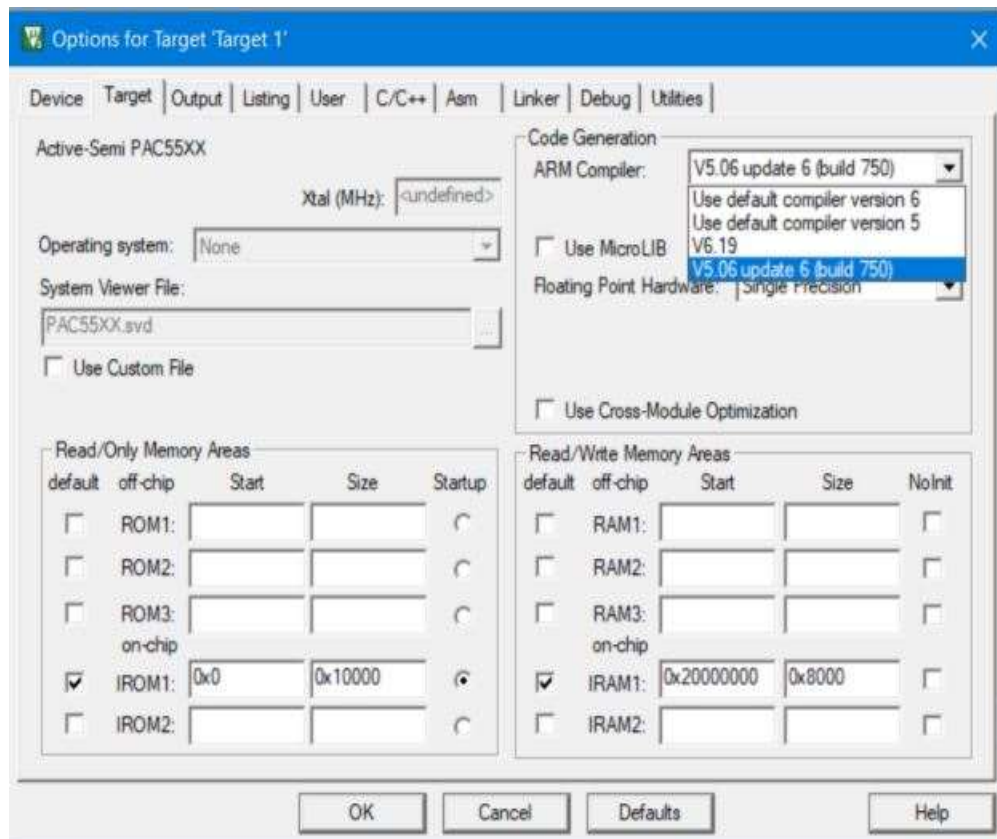
Click on Add another ARM Compiler Version from list, select V5.06 update 6 (build 750) and click close.



After installing compiler to Project -> Manage we need to select this compiler under target properties. Click on target and open Options for Target.



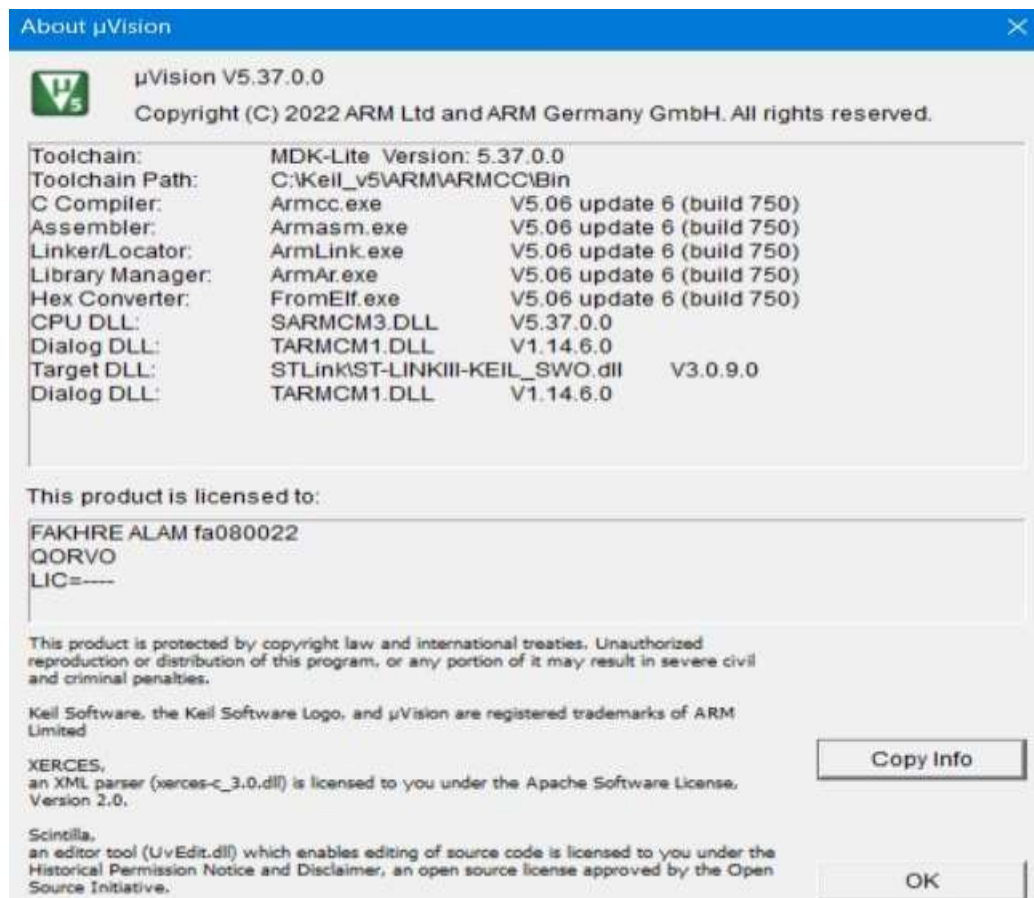
Please select V5.06 update 6 build 750 form let hand side Code Generation -> ARM Compiler menu.



Click Ok.

User is good to go with Arm Compiler V5,06 update 6 (build 750) setup.

User can check by version of IDE and compiler installed by checking About uVision page as follows.





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1.4 LEGAL INFORMATION

For the latest specifications, additional product information, worldwide sales and distribution locations:

Web: www.qorvo.com

Tel: 1-844-890-8163

Email: customer.support@qorvo.com

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