

ARM Keil IDE

The firmware for the STM32L4 Discovery Kit IoT Node is developed, compiled and debugged using Arm® Keil MDK, a full-featured IDE with advanced debugging capabilities and CMSIS library support for thousands of Arm® Cortex-M devices. More detail about this professional IDE is available at:

<http://www2.keil.com/mdk5>

Keil Software Download

The Keil tools are downloaded as follows:

1. Go to: <https://www.keil.com/demo/eval/arm.htm>
2. Provide the information requested in the form there and click Submit
3. Follow the instructions on the page that follows this to download and install the Keil tools...

arm KEIL

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MDK-ARM

MDK-ARM Version 5.24a
Version 5.24a

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

(MD5:d75f933ce8cf87d0c19060362bf7686a)

To install the MDK-ARM Software...

- Right-click on **MDK524A.EXE** and save it to your computer.
- PDF files may be opened with Acrobat Reader.
- ZIP files may be opened with PKZIP or WINZIP.

MDK524A.EXE (796,513K)
Tuesday, July 4, 2017

- If you are evaluating the tools, be sure 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

Keil License Installation

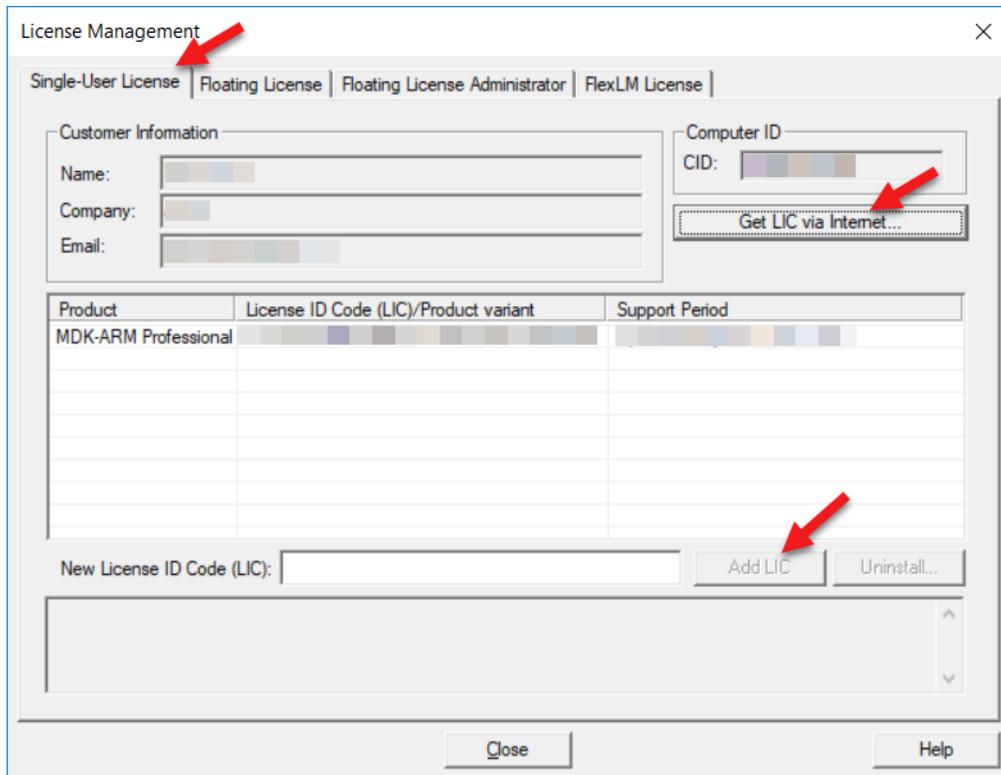
After installing the Keil tools, you need to install a license to use these tools. This IoT Starter kit includes a Product Serial Number (PSN) for a 90-day license for the Keil tools.

The license installation procedure is detailed on the Keil website at:

http://www.keil.com/support/man/docs/license/license_sul_install.htm

The key steps in this licensing procedure are summarized below:

1. Right-click on the Keil uVision5 desktop icon and select **Run as Administrator**
2. Navigate to **Menu / File / License Management...**



3. Select the **Single-Use License** tab in the dialog window that appears,
4. Click the **Get LIC via Internet** button..., then click the button **OK** to register the product. This action opens the License Management page on the Keil web site.
5. Locate the **PSN label** on the “*IoT Starter Kit Quick Start Card*” that was included inside the shipping box (this has your unique PSN number authorizing use of the Keil tools for 90-days)



6. Enter this 15 character PSN where prompted, together with your contact info and click the **Submit** button. An e-mail is sent back with the **License ID Code (LIC)** within a few minutes.
7. Returning to the **License Management** dialog box, locate the field labeled **New License ID Code (LIC)** and now enter the **LIC** number received via email, then click **Add LIC**.

Now that a valid license has been installed for the Keil tools, you are ready to start developing your application software for the STM32L4 Discovery Kit IoT Node...