IMXIUG

Installation Guide for Config Tools for i.MX

Rev. 17.0 — 17 September 2026 **User guide**

Document information

Information	Content
Keywords	MCUXpresso Config Tools, i.MX
Abstract	The Config Tools for i.MX is part of MCUXpresso Config Tools, a suite of evaluation and configuration tools that help users from initial evaluation to production software development. Config Tools for i.MX is an easy-to-use way to configure the pins and DDR of the i.MX processor devices. The software, in general, enables you to create, inspect, change, and modify any aspect of the pin configuration and muxing of the device. It also allows you to configure and validate DDR settings. This document describes the basic components of the Config Tools for i.MX and lists the steps to configure and use them to configure both pins and DDR.

1 Introduction

Config Tools for i.MX is a software tool that helps guide users from first evaluation to production software development. This document describes how to install the Config Tools for i.MX software.

Config Tools for i.MX is available offline (local) installed on the host machine for pin routing configuration, validation and code generation, including pin functional/electrical properties, power rails, and run-time functions.

Config Tools for i.MX is intended for general use and aims to help hardware designers, software engineers, embedded engineers, and field application engineers (FAEs) and consists of several tools.

The **Pins** tool main features are:

- Graphical views to create and change pins configuration
- Creation of C source code and Device Tree snippet (DTS) for device initialization
- Package with all pins and routable peripherals
- Registers with initialization values

The **DDR** tool main features are:

- Graphical view to display and change basic DDR attributes, such as memory type, frequency, or number of channels.
- Graphical view to test and validate the DDR settings.

Note: If macOS is set to Traditional Chinese, Config Tools for i.MX starts in English and not Chinese. This is intended.

2 Recommended system requirements

The following lists the minimum system requirements to install and run the software:

- One of the following graphical operating systems:
  - Microsoft(R) Windows(R) 11 (64-bit version)
  - Ubuntu 24.04 LTS
    Note: Linux-hosted variants of tools are distributed on Linux as 64-bit binaries, which may not work on 32-bit systems.
    - Supported desktop environments: GNOME
  - macOS X operating system (macOS Monterey 12 or later).
- 8 GB RAM or more
- Display with resolution 1366 x 768
- Internet connection for dynamic download from the processor database

3 Supported processors

Config Tools for i.MX is installed with limited processor data and device support. You can download additional supported devices later.

Note: Internet connection is required to install data for supported processors.

4 Limitations

Refer to *MCUXpresso Configuration Tools for i.MX Application Processors Release Notes* document MCUXCTIMXRN for the limitations.

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5 Installation

An ‘Offline’ installer is available for Config Tools for i.MX.

This installer file includes all the files required during the setup and does not need an internet connection for installation to complete. You can use this method for slow network connections or for installing the software on multiple machines.

The missing device information files are downloaded from the internet when loading a configuration into the tool.

5.1 Installing on Windows

A setup binary is available for Microsoft Windows:

- 64-bit version: Contains “x64” in the installer executable name.

Running a non-matching executable for a given host system, for example a 64-bit setup on a 32-bit system, will give an error message dialog.

To install Config Tools for i.MX as a desktop application on a local host:

1. Run the `Config_Tools_for_i.MX_<version>_<architecture>.exe`.
   The **Config Tools for i.MX Setup** wizard will initiate.
2. Select the language in which you want to run the installer.

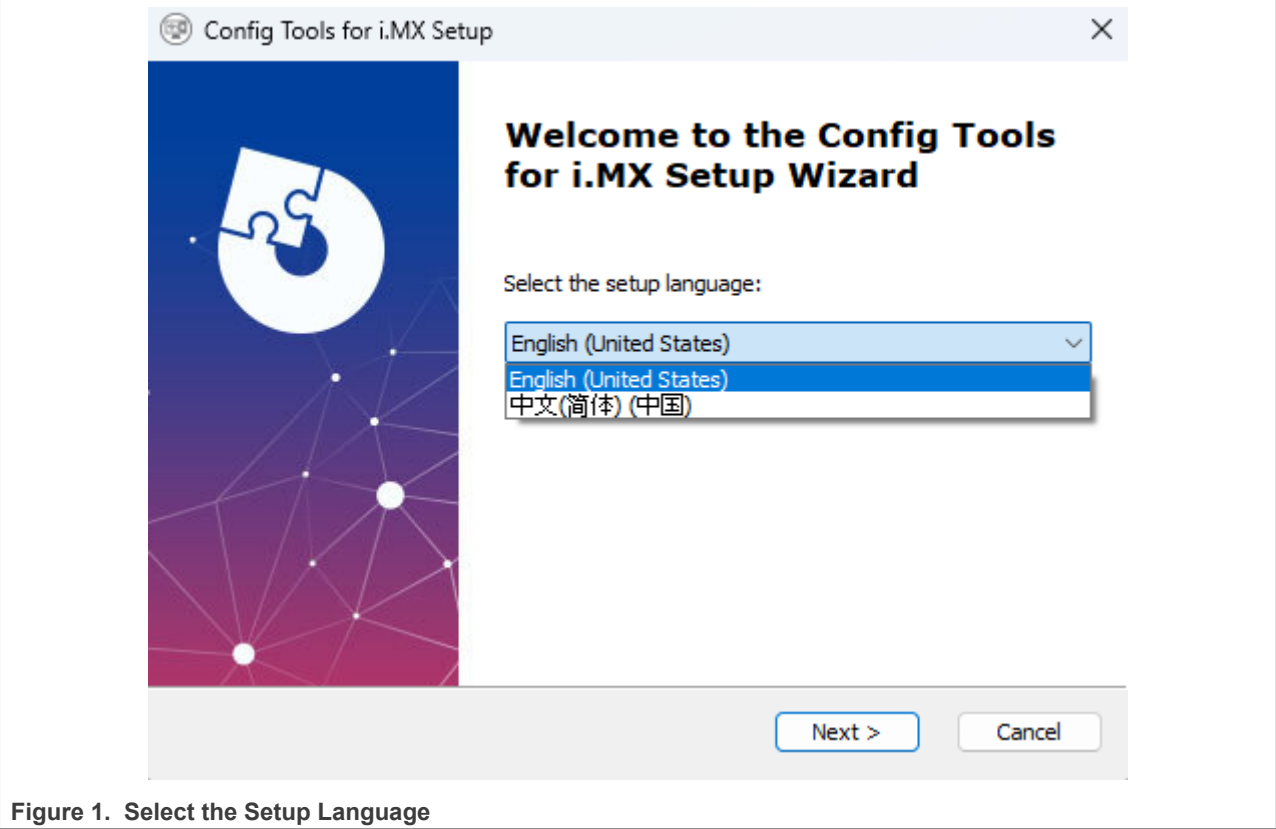

Figure 1. Select the Setup Language

3. Click **Next**.
4. On the next page, click **Next**.
5. On the **End-User License Agreement** page of the wizard, select **I accept the terms of the License Agreement**.

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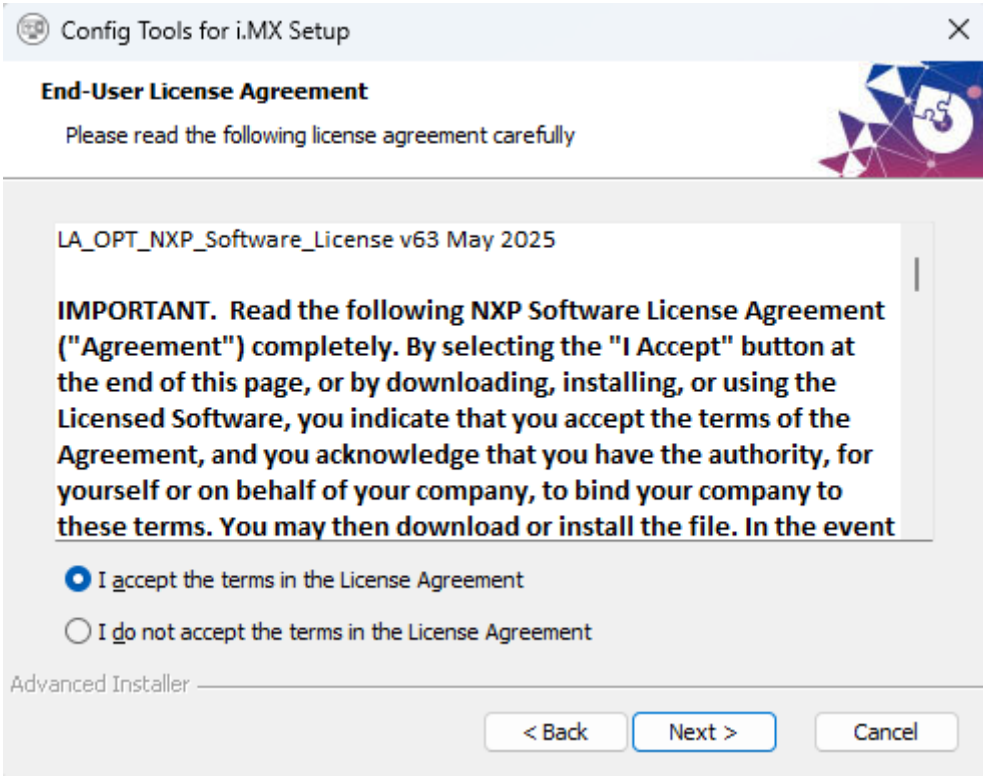

Figure 2. Accepting the End-user License Agreement

6. Click **Next**.
7. On the **Select Installation Folder** page of the wizard, select **Browse** and navigate to a destination folder you want the Config Tools for i.MX to install to.

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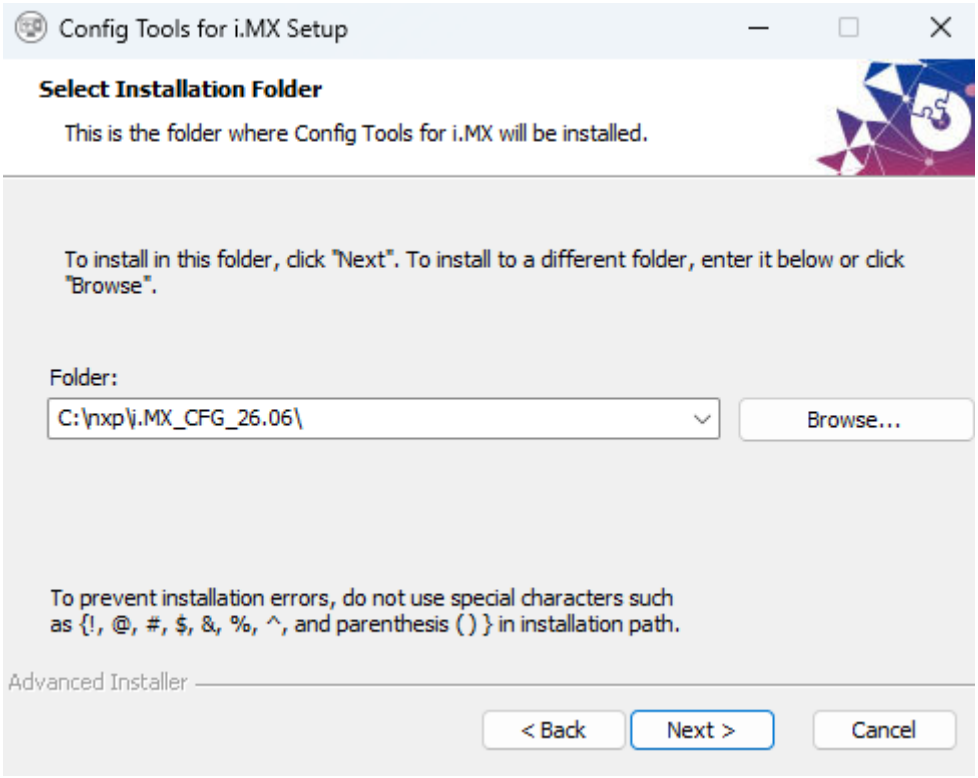

Figure 3. Select Installation Folder

8. Click **Next**.
9. On the **Configure Shortcuts** page of the wizard, select the shortcuts you want to be created for Config Tools for i.MX.

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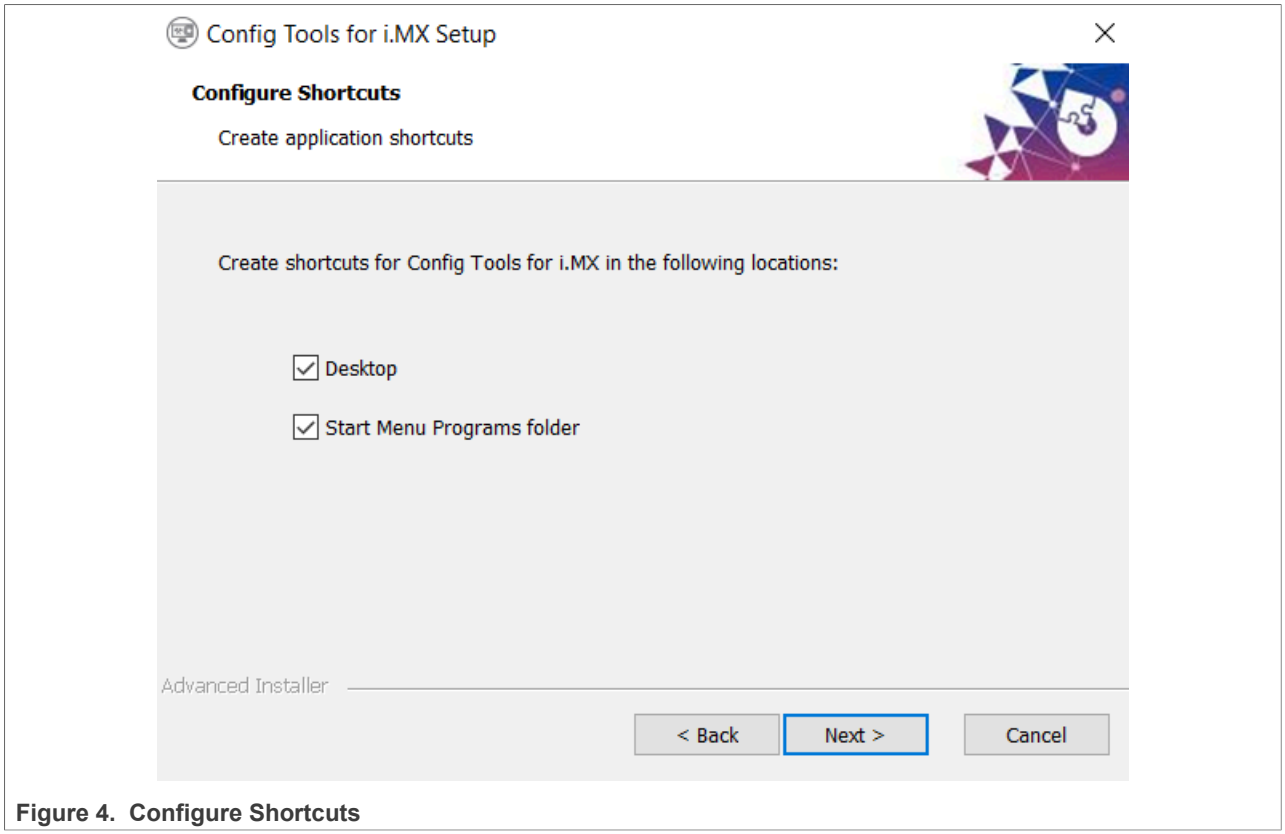

Figure 4. Configure Shortcuts

10. Click **Next.**
11. On the **Ready to Install** page of the wizard, select **Install**.

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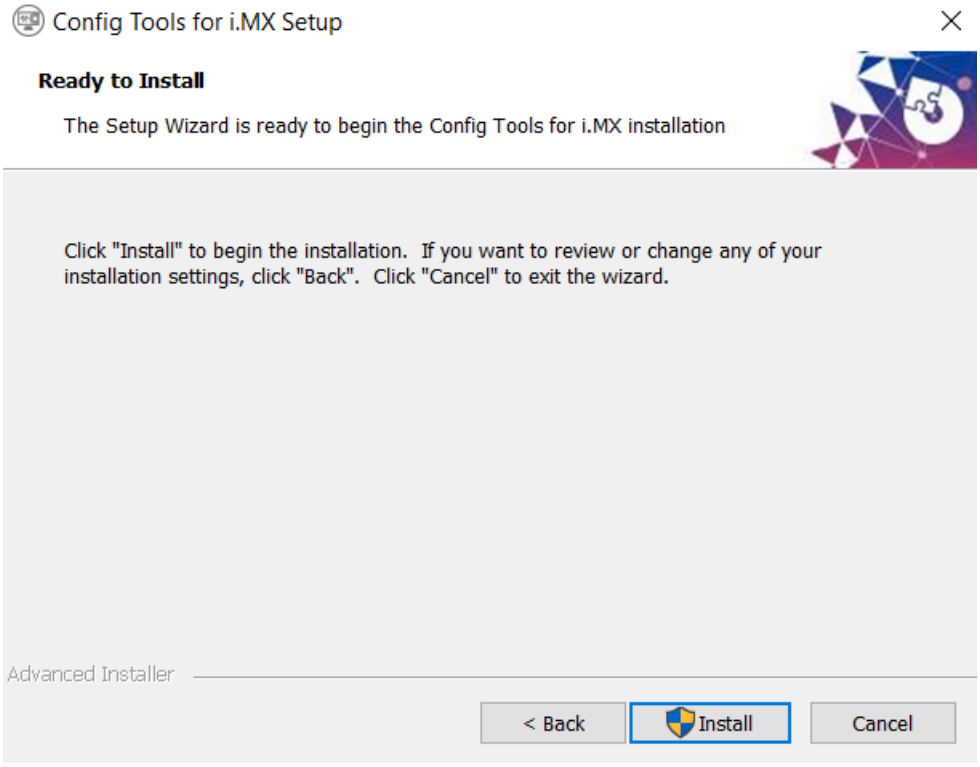

Figure 5. Ready to Install

The setup will begin the installation.

Note: If you want to review or change any of your installation settings, click **Back**. Click **Cancel** to exit the wizard.

The installer prompts you when the installation completes.

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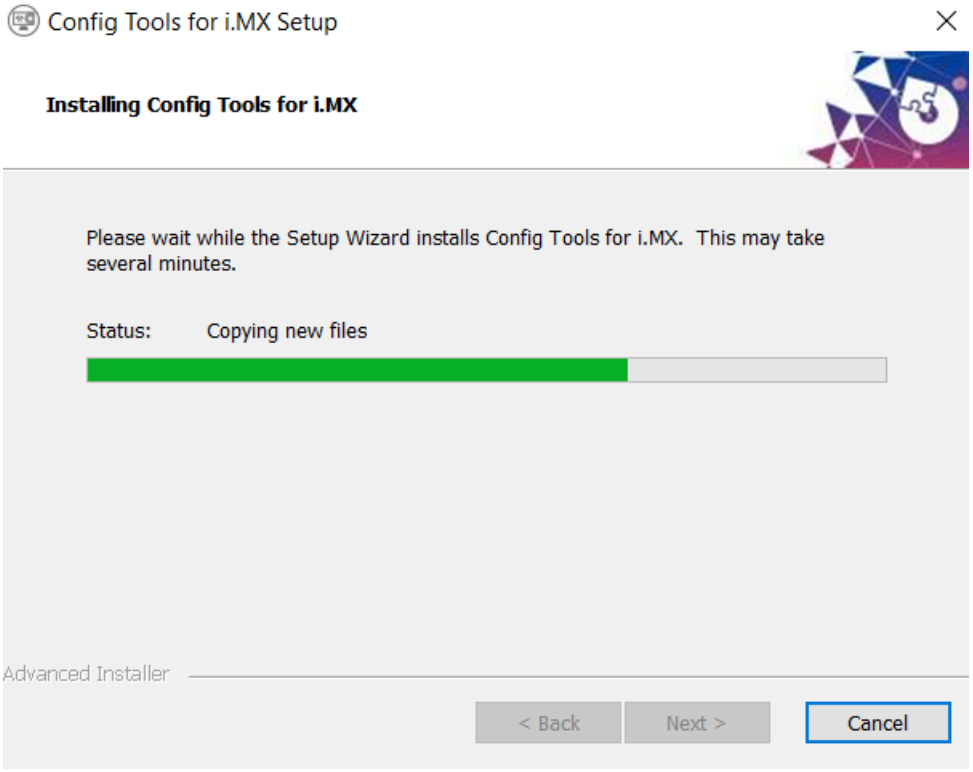

Figure 6. Installing Config Tools for i.MX

12. Click **Finish** to close and exit the setup wizard.

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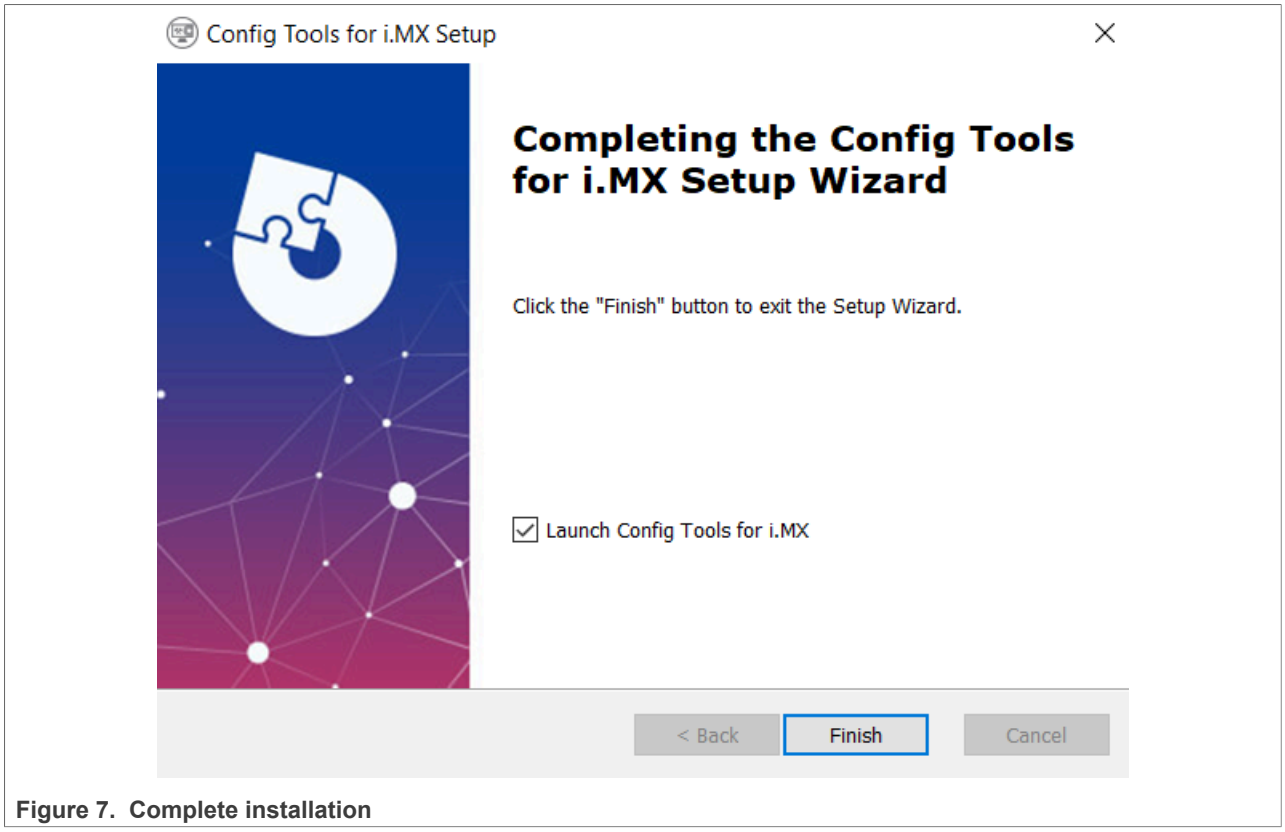

Figure 7. Complete installation

13. To start using the Config Tools for i.MX, run the tool from the shortcut on the desktop or from the **Start** menu. You can also navigate to the product installation folder\bin\ folder and launch the tools.exe or launch the shortcut in the product installation folder.

5.2 Installing on Mac

To install Config Tools for i.MX as a desktop application on a local host, do the following:

1. Double-click the `Config_Tools_for_i.MX_<version>_<architecture>.pkg` to start the **Install Config Tools for i.MX** setup
   Note: When you try to open the MacOS installer you may receive and error. To avoid it, manually select the option **Mac App Store and identified developers** in the **Security & Privacy** menu.

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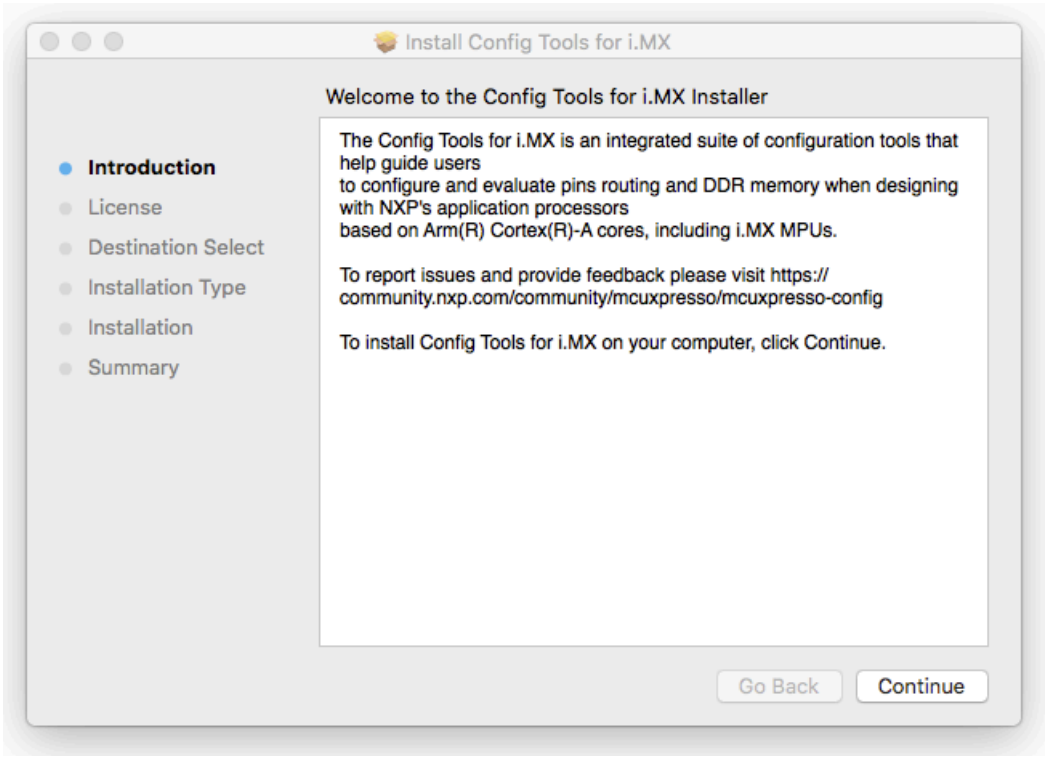

Figure 8. Introduction

2. On the **Introduction** page, click **Continue**.
3. On the **Software License Agreement** page, click **Continue**.

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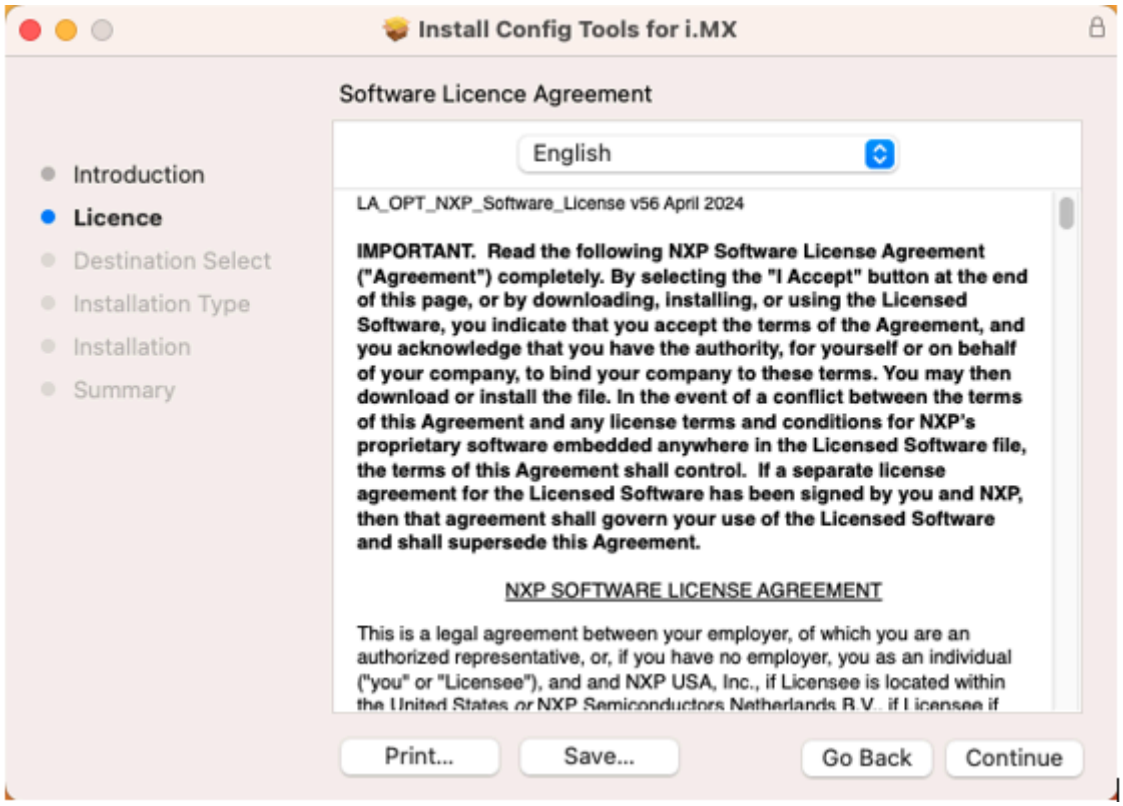

Figure 9. Software License Agreement

4. Confirm that you have read and agreed to the terms of the Software License Agreement by clicking **Agree**.

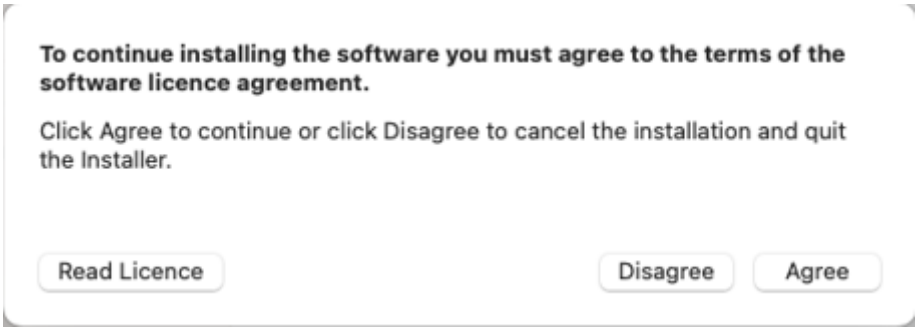

Figure 10. Software License Agreement

5. On the **Destination Select** page, click the green arrow to select the installation folder.

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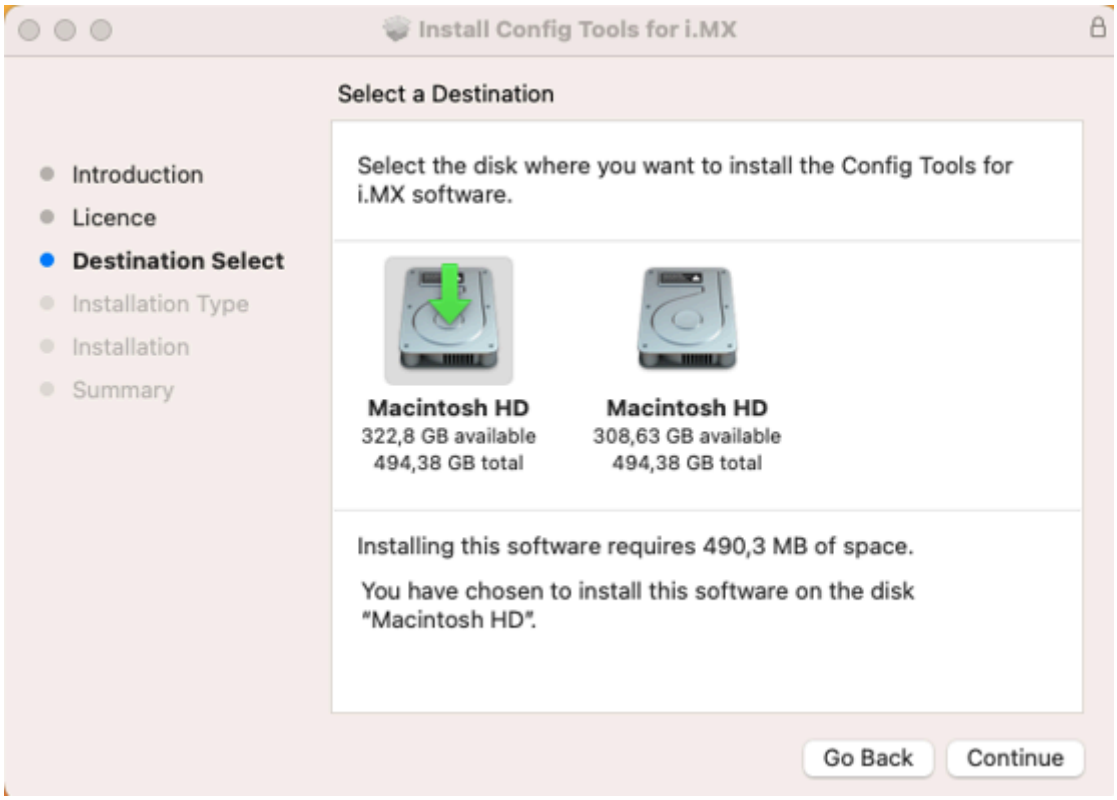

Figure 11. Select destination

6. Click **Continue**.
7. On the **Installation Type** page, click **Install**.

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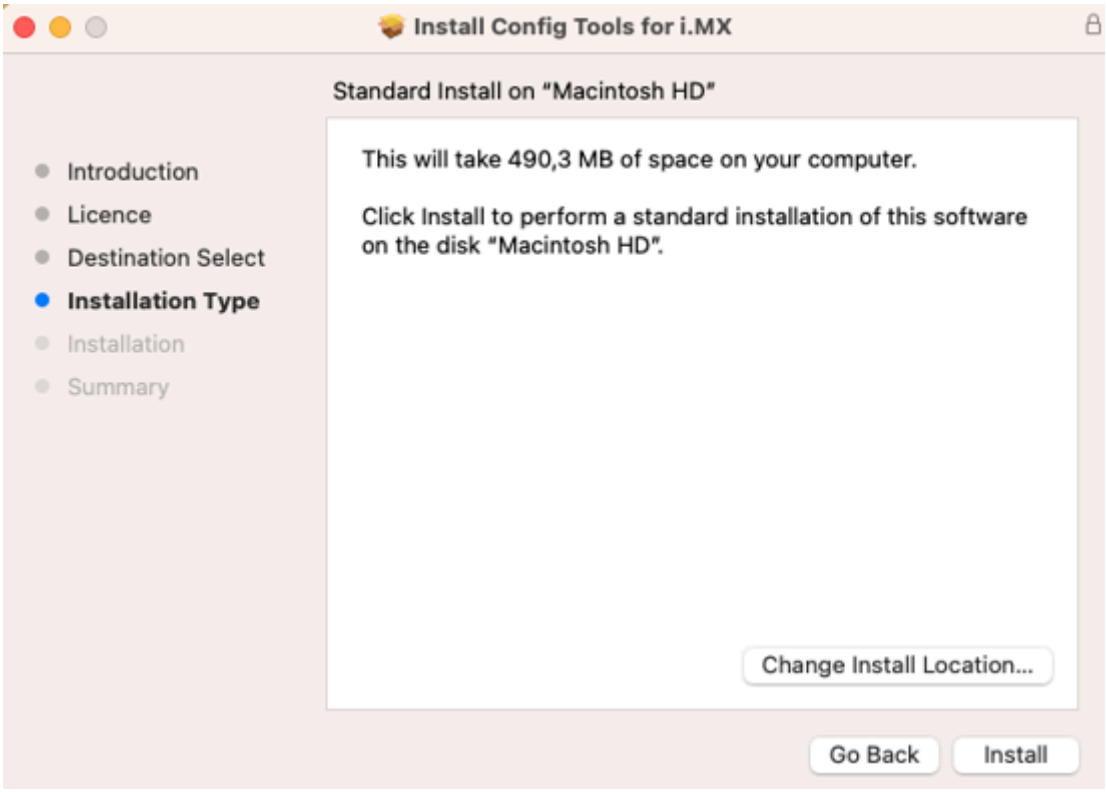

Figure 12. Installation Type

8. Type in your login credentials to continue with the installation.
9. Click **Install Software**.

Figure 13. Install Software

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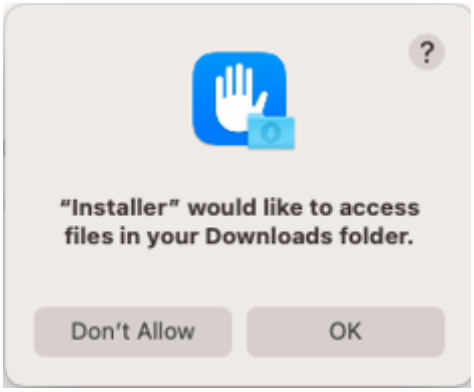

Figure 14. Install Software

10. Click **Continue**.
Unless errors are reported, the **Summary** page will confirm that the installation was completed successfully.

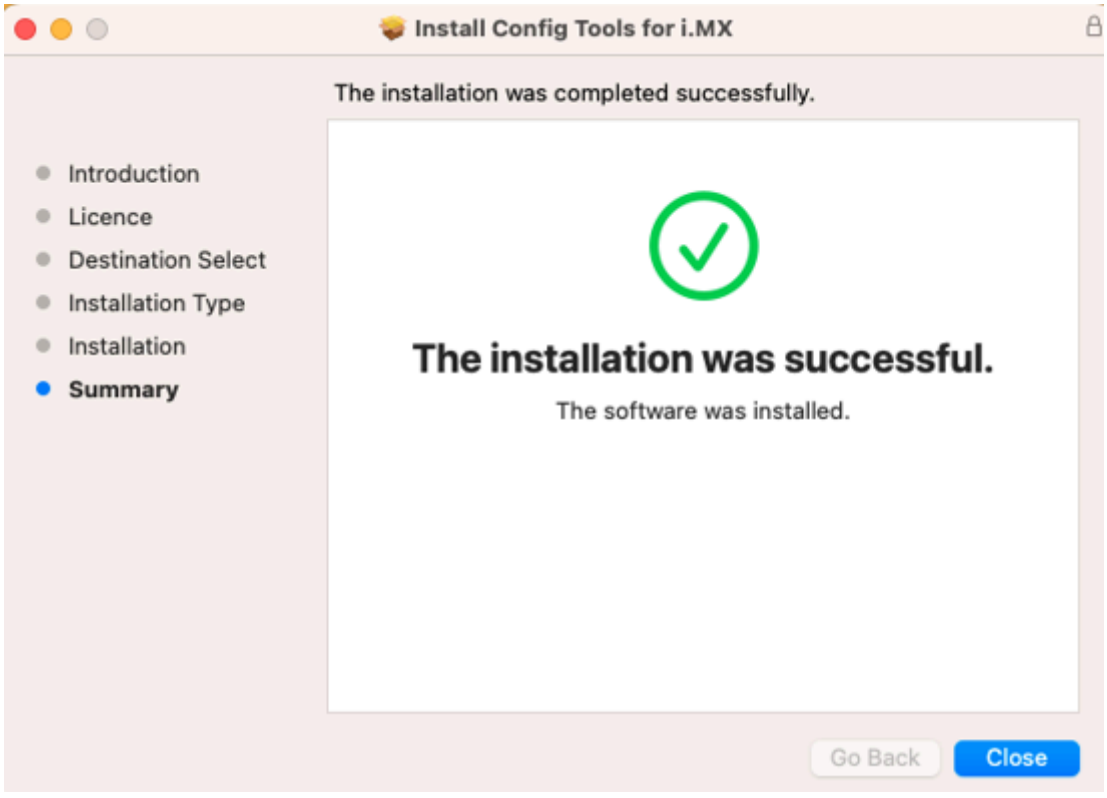

Figure 15. Summary

11. Click **Close** to exit the installation wizard.

5.3 Installing on Linux

This chapter provides information on installing and uninstalling the tool on Linux.

5.3.1 Installing using command line

```
chmod +x ./<name><version>-<pkg_revision><architecture>.deb.bin
```


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```
$ sudo ./<name>_<version>-<pkg_revision>_<architecture>.deb.bin
  (Reading database ... .... files and directories currently installed .)
  Preparing to replace <name> <version> (using
     <name>_<version>-<pkg_revision>_<architecture>.deb) ...
  Unpacking replacement <name> ...
  Setting up <name> (<version>) ...
```

This installs the tools to the default location (/opt/nxp/<default_path>).

5.3.2 Uninstalling using command line

In the Terminal, you can get the list of MCUX Config Tools with the package names.

```
dpkg --list "config-tools-for-imx*"
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
||/ Name                        Version      Architecture Description
+++-===========================-============-============-
================================
ii  config-tools-for-imx-v16   16.0         amd64        Config Tools for i.MX
```

Now, the desired version can be uninstalled:

```
 sudo dpkg -r config-tools-for-imx-v16
```

6 Note about the source code in the document

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7 Revision history

Table 1. Revision history

Document ID	Release date	Description
IMXIUG v.17.0	17 September 2026	Updated for v.26.09
IMXIUG v.16.0	24 June 2026	Updated for v.26.06
IMXIUG v.15.0	25 March 2026	Updated for v.26.03
IMXIUG v.14.0	16 December 2025	Updated for v.25.12
IMXIUG v.13.0	18 September 2025	Updated for v.25.09
IMXIUG v.12.0	20 June 2025	Updated for v.25.06
IMXIUG v.11.0	17 March 2025	Updated for v.25.03
IMXIUG v.10.0	15 January 2025	Updated for v.24.12
IMXIUG v.9.0	24 September 2024	Updated for v.16.1
IMXIUG v.8.0	1 July 2024	Updated for v.16
IMXIUG v.7.0	19 April 2024	Updated for v.15.1
IMXIUG v.6.0	10 January 2024	Updated for v.15
IMXIUG v.5.0	31 July 2023	Updated for v.14
IMXIUG v.4.0	2 January 2023	Screenshots are updated, minor updates
IMXIUG v.3.0	20 September 2022	Updated for v.12.1
IMXIUG v.2.0	30 June 2022	Updated for v.12
IMXIUG v.1.0	22 December 2021	Screenshots are updated.
IMXIUG v.0	23 June 2021	Initial version

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