



Kinetis Software Development Kit Install Guide

Before installing the software read the following recommendations:

- Turn Windows UAC (User Account Controller) off. You can check how to do this in the next link:
<http://windows.microsoft.com/en-US/windows-vista/Turn-User-Account-Control-on-or-off>
- Make sure you are installing KSDK-IDE using an administrator account. You can also right click on the installer and select "Run as Administrator"

To download and install KSDK follow these steps:

Step 1:

Click www.freescale.com/ksdk to download the KSDK installation file.

Step 2:

Click on the "Download" tab.

KINETIS_SDK: Software Development Kit for Kinetis MCUs UPDATED ☆

Overview Documentation **Downloads** Training & Support

The Kinetis software development kit (SDK) is an extensive suite of robust peripheral drivers, stacks, middleware and example applications designed to simplify and accelerate application development on any Kinetis MCU. The addition of Processor Expert technology for software and board support configuration provides unmatched ease of use and flexibility. The Kinetis SDK is complimentary and includes full source code under a permissive open-source license for all hardware abstraction and peripheral driver software.

The Kinetis SDK is offered for free, and support for it is provided through the [Kinetis Software Development Kit \(SDK\) Community Forum](#)

Features

The Kinetis SDK consists of the following runtime software components written in C:

- ARM® CMSIS Core and DSP standard libraries and CMSIS compliant device header files
- An open-source hardware abstraction layer that provides portability across all Kinetis MCUs
- System services for centralized resources including a clock manager, interrupt manager, low-power manager, and a hardware timer

Kinetis SDK Block Diagram

```
graph TD; UA[User Applications] --- SM[Stacks and Middleware]; UA --- BC[Board Configuration]; SM --- OSA[OSA]; SM --- PD[Peripheral Drivers]; OSA --- HAL[Hardware Abstraction Layer]; PD --- HAL; HAL --- SS[System Services]; HAL --- CH[CMSIS Core Header Files]; HAL --- SHIP[SOC Header, IP Extension Header Files]; HAL --- CDS[CMSIS DSP]; HAL --- HW[Hardware];
```

Supported Devices

- Kinetis K2x USB Microcontrollers (MCUs)
- Kinetis K6x Ethernet Crypto Microcontrollers (MCUs)
 - KV3x: Kinetis KV3x MCU Family

Featured Documentation

Step 3:

Select “**Freescale Kinetis SDK1.0.0 – Windows Installer**” and click the Download button.

Software Development Tools (2) Close All		Sort by Modified Date		
▼ Software Development Kits (2)				
ID and Description		Vendor	Availability	Favorite
Freescale Kinetis SDK_1.0.0 - Linux installer ⓘ : Freescale Kinetis SDK, includes HAL, peripheral drivers, stacks, middleware, demo applications and RTOS kernels (Freescale MQX™ RTOS, FreeRTOS, uC/OSII, uC/OSIII). Size (K): 168104 Format: bin Rev #: 1.0.0 Modified: 8/4/2014		FREESCALE	Download	☆
Freescale Kinetis SDK_1.0.0 - Windows installer ⓘ : Freescale Kinetis SDK, includes HAL, peripheral drivers, stacks, middleware, demo applications and RTOS kernels (Freescale MQX™ RTOS, FreeRTOS, uC/OSII, uC/OSIII). Size (K): 165559 Format: exe Rev #: 1.0.0 Modified: 8/4/2014		FREESCALE	Download	☆
Updates and Patches (1) Close All		Sort by Modified Date		
▼ Updates and Patches (1)				
ID and Description		Vendor	Availability	Favorite
KSDK 1.0.0-GA Eclipse Update 1.0.1 NEW : Eclipse Update 1.0.1 for Kinetis SDK 1.0.0-GA Size (K): 80353 Format: zip Rev #: 1.0.1 Modified: 8/29/2014		FREESCALE	Download	☆

Step 4:

Once you register/log in to the site, please **Accept** the FREESCALE SOFTWARE LICENSE AGREEMENT.

Note: If you are using Internet Explorer and the download does not start automatically after accepting the License Agreement you might need to turn off the Pop-up blocker. Disable the Pop-up blockers or click **Direct Link** to download the file.

File download should start shortly.

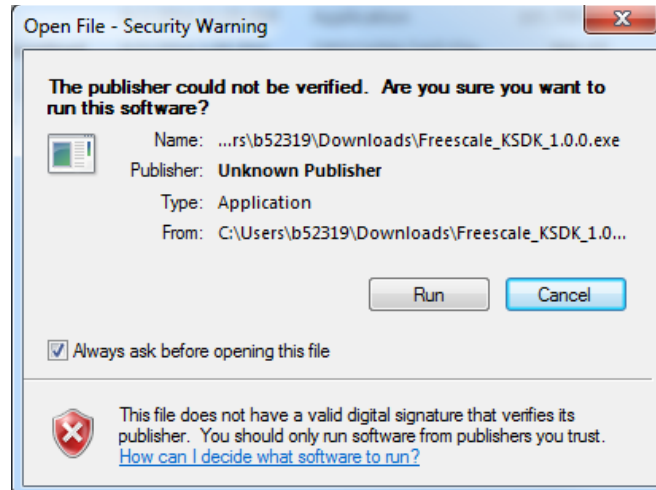
- If you are using the **Internet Explorer (IE) browser**, you may see a bar at the top of your browser asking you to authorize file download. Click on the bar and select "Download File".
- **Are you using an Internet Download Manager?**
If yes, just copy the URL below and paste it in your personal download manager. It will enable you to speed up the download performance and resume the download if needed.

[Copy URL](#)

- **Problems with the download?** Please use this [Direct Link](#)

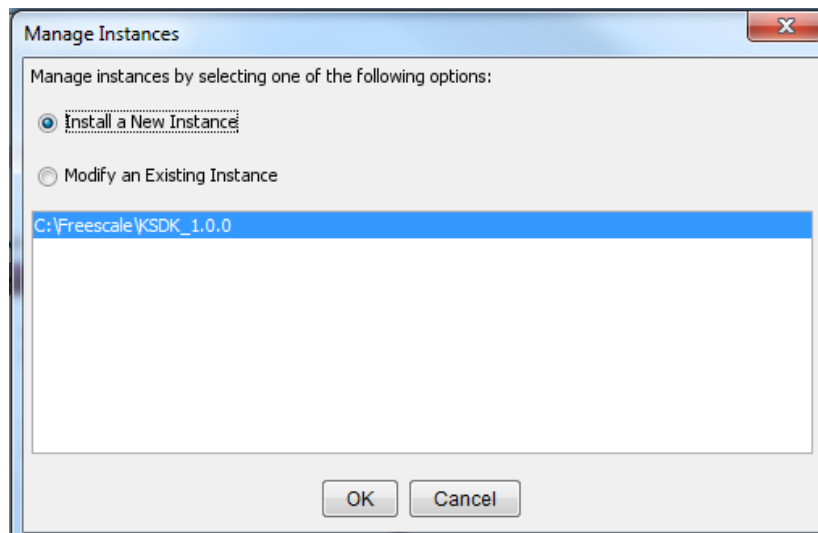
Step 5:

Once the file has been downloaded execute the file and click on **“Run”**.



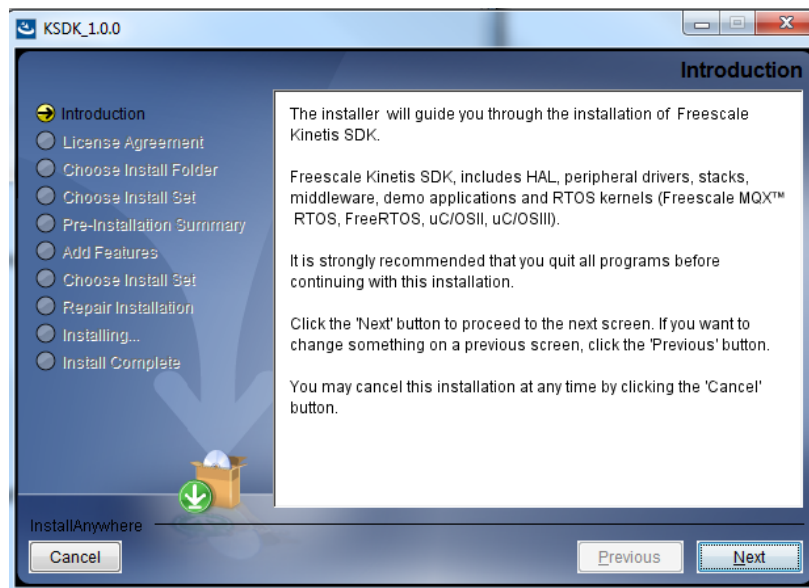
Step 6:

Select **“Install a New Instance”** and click on the **“Next”** button in Manage Instances.



Step 7:

In the “Introduction” section, select “Next”.



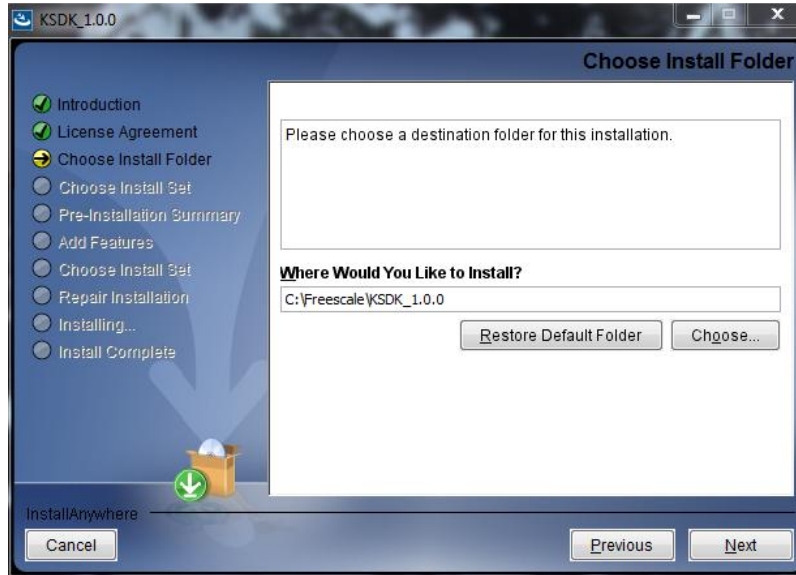
Step 8:

In the “License Agreement” section, accept the terms of the License Agreement and then click on “Next”.



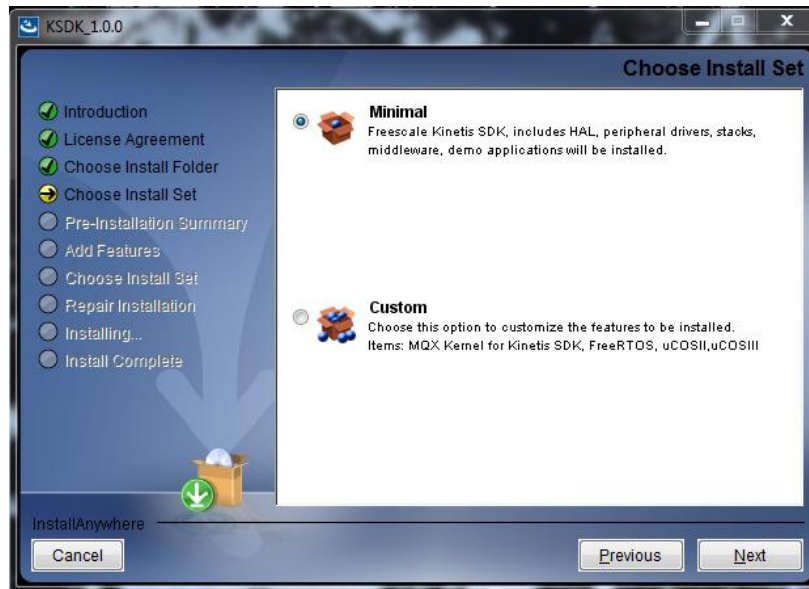
Step 9:

In the “**Choose Install Folder**” window select the destination folder and then click on “**Next**”.



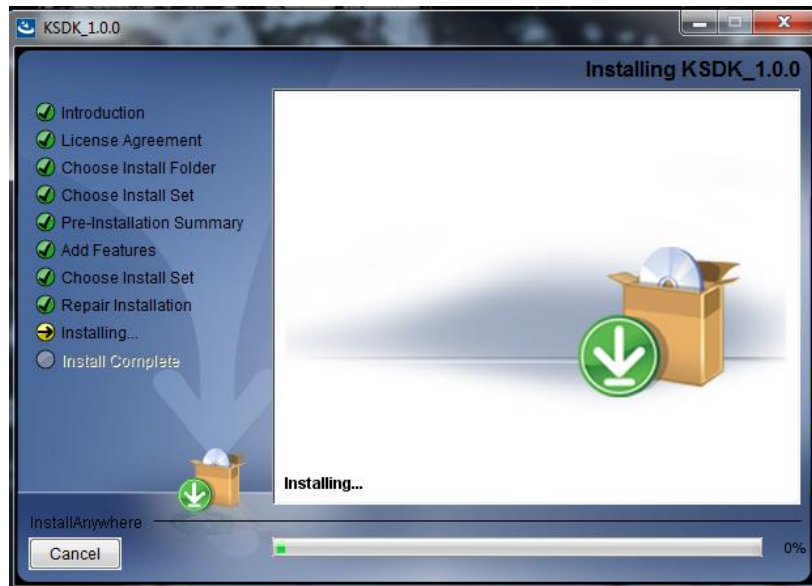
Step 10:

In the “**Choose Install Set**” window select “**Minimal**” or “**Custom**” and click on “**Next**”.



Step 11:

In the “Pre-Installation Summary” window select “Install”.



Step 12:

In the “Install Complete” window select “restart the system” and press “Done”.

