Quick Start Guide





Install Keil MDK Version 5

• Download and install the MDK Core from

www.keil.com/mdk5/install

Add Software Pack using the Pack Installer

• Keil::Kinetis_Kxx_DFP – Freescale Kinetis KLxx Series Device Support

Power up the board

• Connect a USB power supply to the **Power / OpenSDA Mini-USB** receptacle

Verify Installation

- Copy an example using the Pack Installer. Compile, download to Flash, and debug the application. The provided examples are ready to run.
- Or download examples that apply to this board

www.keil.com/dd2/freescale/mkl25z128xxx4

More Information

• Board Information

Related Products

- MDK Version 5
- Getting Started User's Guide
- MDK-Professional Middleware
- Learning Platform

www.keil.com/boards2/freescale/frdm_kl25z

www.keil.com/mdk5 www.keil.com/gsg www.keil.com/middleware www.keil.com/learn

Debug Configuration NXP FRDM-KL25Z



Debug with CMSIS-DAP

Open the dialog **Options for Target – Debug**. Enable **Use** and select **CMSIS-DAP Debugger**.

Click **Settings**.

🔢 Options for Target 'DAP'			×
Device Target Output Listing User	C/C++ Asm	Linker Debug Utilities	
C Use Simulator with restrictions	Settings	Use: CMSIS-DAP Debugger	✓ Settings
Limit Speed to Real-Time			

In the **Debug** tab, ensure to have **Port** set to SW, and **SWJ** enabled.

Cortex-M Target Driver Setup		×
Debug Trace Flash Download		
CMSIS-DAP - JTAG/SW Adapter	SW Device	
OpenSDA CMSIS-DAP 👻	IDCODE Device Name	Move
Serial No: A000000001	SWDIO Ox0BC11477 ARM CoreSight SW-DP	Up
Firmware Version: 1.0		Down
SWJ Port: SW -	C Automatic Detection ID CODE:	
Max Clock: 1MHz	C Manual Configuration Device Name:	
	Add Delete Update	AP: 0x00