

Installation Instructions for the Xtrinsic Intelligent Sensing Framework 1.1

on the FXLC95000 Intelligent Motion-Sensing Platform

Contents

1 Installation Instructions

These are the required steps to properly build and install ISF on the FXLC95000 Intelligent Motion-Sensing Platform. It is necessary for users to follow the steps in each of the following subsections.

1.1 Installing CodeWarrior 10.5 or Above

This procedure explains how to obtain and install the latest version of CodeWarrior.

NOTE

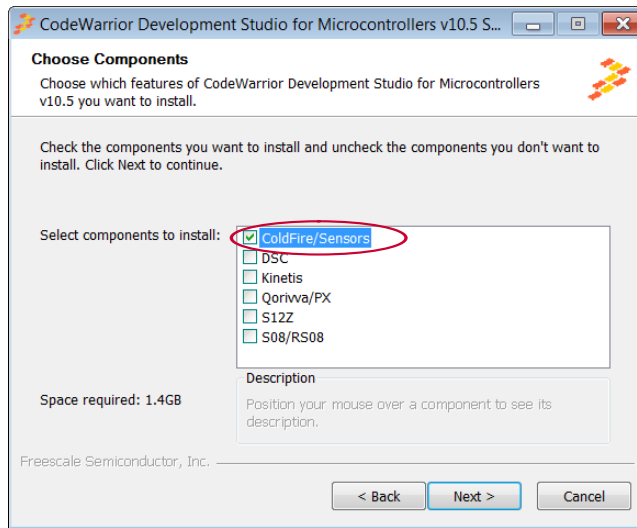
The installer and ISF1.1 work with CodeWarrior 10.4 and above. If CodeWarrior 10.4 or above is already on your system, the steps in this section can be skipped.

1. Obtain the latest CodeWarrior 10.n installer file from the [Freescale CodeWarrior website](#).
2. Run the executable file and follow the instructions.

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installing MQX 3.7

During the installation, there is a request to select components to install. You must install at least the ColdFire component.



1.2 Installing ISF

This procedure explains how to obtain and install ISF.

1. Go to the **Overview** page of the [Freescale Xtrinsic ISF website](#). Click the **Download the latest version** link.
2. Start the installer and then follow the instructions in the installation wizard.

The installer file, *ISF1P195K_Installer.exe*, is also available for download from the **Downloads** tab of the [Freescale Xtrinsic ISF website](#)

2 Installing MQX 3.7

The ISF installer includes a version of MQX 3.7 that is set up to work with the FXLC95000.

Some advanced users may need to add other features of MQX that are not included in the subset of MQX provided in the ISF Installer. Users should contact a Freescale Field Applications Engineer if this is required.

3 Incorporating Freescale-Developed Sensor Adapters into ISF

The sensor adapters provided by Freescale are included in the ISF installer. During the installation, the user is given the choice to add or not add Freescale-developed sensor adapters. It is recommended that users add the Freescale-developed sensor adapters. Following installation, sensor adapter libraries are located in the *C:\Program Files\Freescale\ISF_R1p\ISF\Lib\Sensors* folder.

As sensor adapters are newly released or updated, a user may want to add a new or updated sensor adapter to the existing installation. This procedure explains how to obtain and incorporate a sensor adapter into ISF.

NOTE

This procedure applies to any of the sensor adapters (provided by Freescale or written by the user). The Freescale MAG3110 magnetometer sensor adapter is used here for illustration.

1. Obtain the *ISF1P195K MAG3110 ADAPTER LIB.zip* file from the **Downloads** tab of the [Freescale Xtrinsic ISF website](#).
2. Move the downloaded file, *ISF1P195K MAG3110 ADAPTER LIB.zip*, to the *C:\Program Files\Freescale* folder.
3. Right-click on the zip file, then select **Extract All**, and then click **Extract**. If prompted by the unzip utility to overwrite existing files, select **Copy and replace**.

Upon completion, the sensor adapter is incorporated into the ISF folder.



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