



Quick Start Guide for FRDM-FXS-MULTI

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External Use

FRDMFXSMULTIQSG
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Quick Start Package Overview

This document is available as part of the Quick Start Package:

Name	Type	Description
Quick Start Guide	PDF	This document

Additional reference documents are available on [freescale.com/FRDM-MULTI](https://www.freescale.com/FRDM-MULTI):

Name	Description
FRDM-FXS-MULTI Schematic	PDF schematics for the FRDM-FXS-MULTI hardware
OpenSDA User's Guide	Overview and instructions for use of the OpenSDA embedded debug circuit



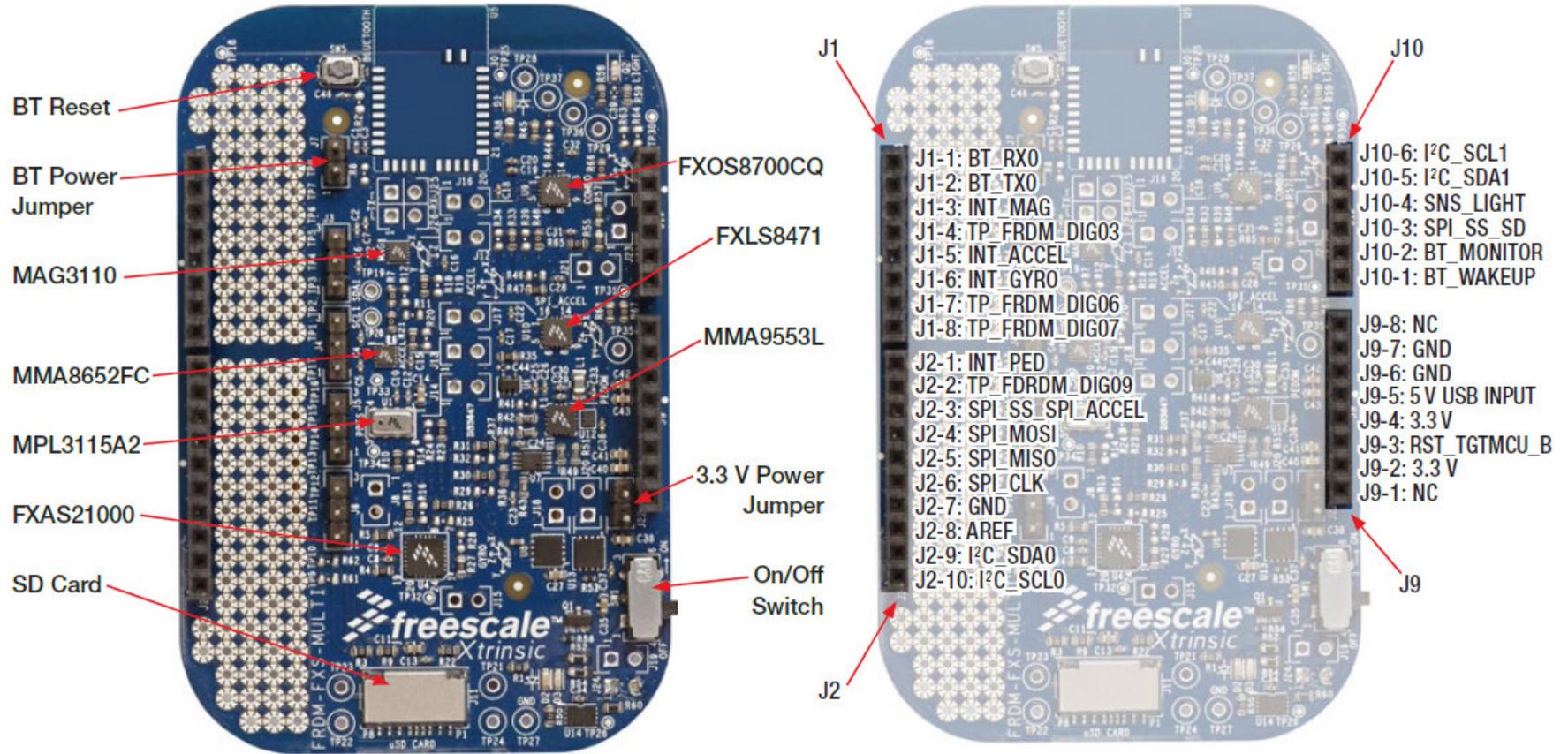
Quick Start Package Overview

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Documentation for the sensors on the FRDM-FXS-MULTI:

Name	Description
MPL3115A2.pdf	Data sheet for MPL3115A2 I2C Precision Altimeter
MMA8652FC.pdf	Data sheet for MMA8652FC 3-Axis, 12-bit Digital Accelerometer
FXAS21000.pdf	Data sheet for FXAS21000 3-Axis Digital Gyroscope
FXOS8700CQ.pdf	Data sheet for FXOS8700CQ 6-Axis Sensor with Integrated Linear Accelerometer and Magnetometer
FXLS8471Q.pdf	Data sheet for FXLS8471Q 3-Axis, Linear Accelerometer
MMA955xL.pdf	Data sheet for MMA9553L Intelligent Motion-Sensing Platform Pedometer
MAG3110.pdf	Data sheet for MAG3110 Three-Axis, Digital Magnetometer

Get to Know the FRDM-FXS-MULTI



Get to Know the FRDM-FXS-MULTI

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The Freescale Freedom development platform is a small, low-power, cost-effective evaluation and development system for quick application prototyping and demonstration of Kinetis MCUs and Xtrinsic sensors.

Each platform is scalable, leveraging various Xtrinsic sensors. As a next-generation tool set, there is variation of what can be demonstrated from basic discrete, raw data up through more complex contextual awareness. The FRDM-FXS-MULTI is the first of its kind offering 12-axis sensing.

Features:

- Cost Effective
- Small Size (Approximately 81 x 52 x 2 mm)
- Arduino™ R3 footprint-compatible with support for sensor expansion boards
- Easy to access to MCU I/O pins
- Integrated open-standard serial and debug adapter (OpenSDA) when using a Kinetis Freedom Board such as the KL25Z or KL20.

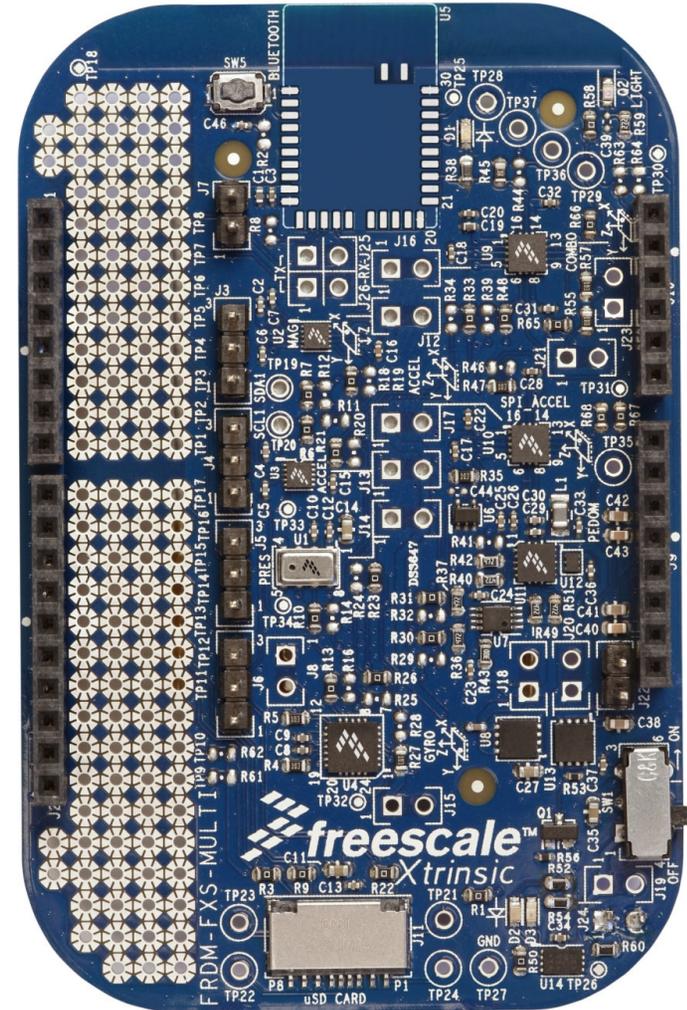


Getting Started Out of the Box

You can utilize the FRDM-FXS-MULTI with any Arduino MCU board. We recommend using either the Kinetis KL25Z or KL20 MCU boards.

For more information on OpenSDA, refer to the *OpenSDA User's Guide* or www.pemicro.com/opensda.

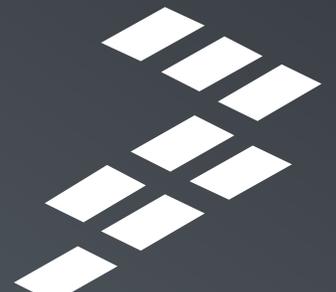
You can then download demos and/or code at freescale.com/FRDM-MULTI.



Explore Further

Now that you are familiar with the FRDM-FXS-MULTI, it's time to explore the additional software and lab guides available on [freescale.com/FRDM-MULTI](https://www.freescale.com/FRDM-MULTI).

Select your next path from the links in the **Jump Start Your Design** section.



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