



Getting Started with Rutronik Adapter Board – RAB1-SENSORFUSION.

Registration & Download



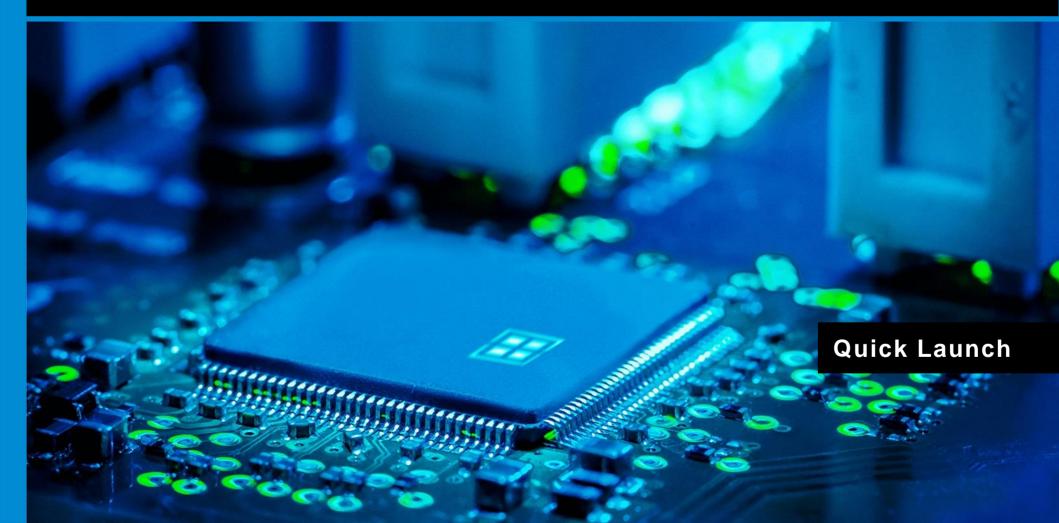






- 1.) Register or/and login to the Infineon website, press on "myInfineon" tab. https://www.infineon.com
- 2.) Download and install the latest ModusToolbox™ software.
- 3.) Get the firmware example from the <u>RAB1-SENSORFUSION</u> homepage (Press the <u>"Download Area</u>" and login/register to access the data).

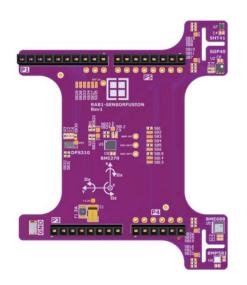




Quick Launch



1.) Required hardware.



RAB1-SENSORFUSION evaluation board



RDK2 Rutronik evaluation board



Micro USB Cable (A to Micro B)



A Laptop/PC PC

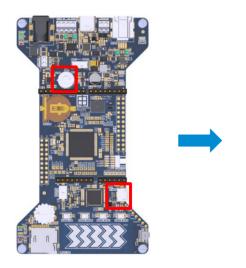




RAB1-SENSORFUSION and RDK2 assembly



Connect the RDK2 and RAB1-SENSORFUSION assembly with a PC



Ensure the switch SW1 is set to "3.3V" and connect the USB cable to "KitProg3".

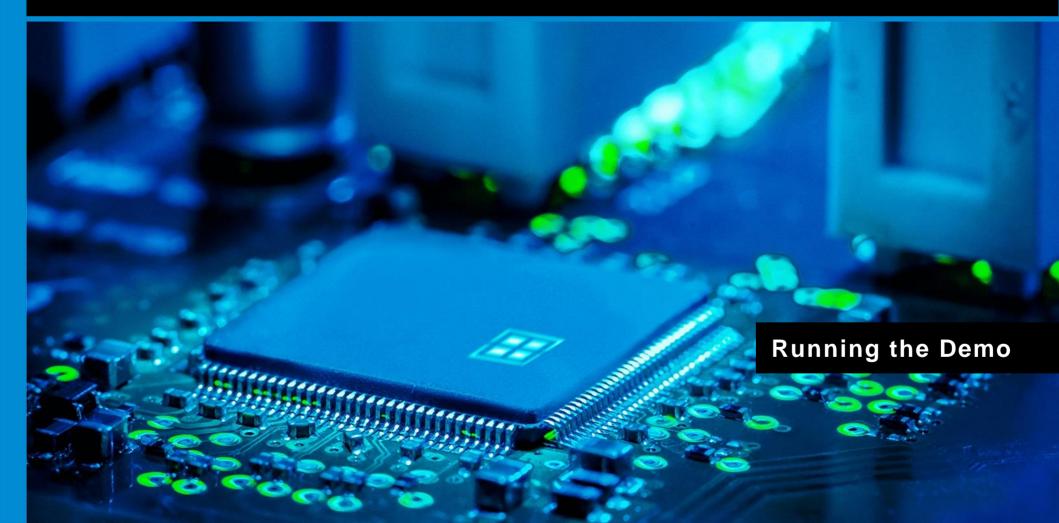


Mount the RDK1-SENSORFUSION board on the RDK2 Arduino headers.



Connect the assembled kit to the PC





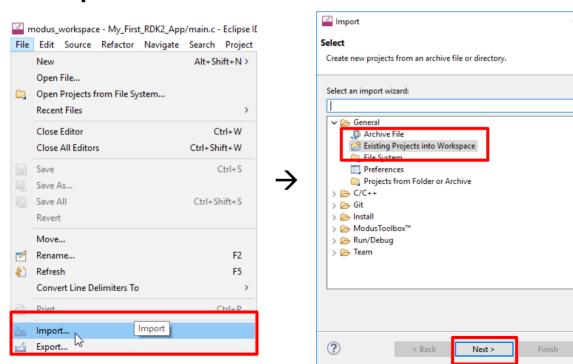
Importing a SensorFusionAdapter_Demo into the MTB Workspace

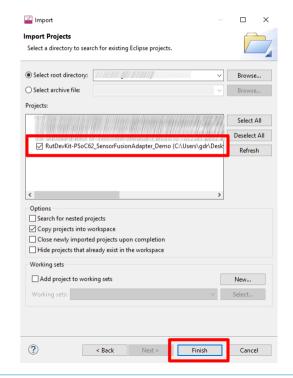


- 1.) Go File → Import... → Existing Projects into Workspace → Next.
- 2.) Select a directory and the project to import, then select "Copy projects into workspace" then click on "Finish".

Cancel

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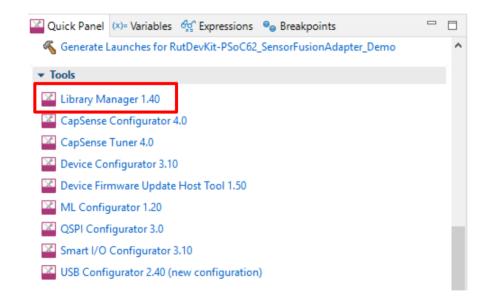


Committed to excellence

Importing Existing Projects into Workspace



3.) Update the libraries using the "Library Manager".



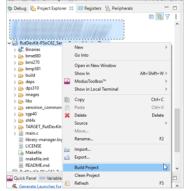


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Directory:	RutDevKit-PSoC62_SensorFusionAdapter_Demo			
Project:	/RutDevKit-PSoC62_SensorFusionAdapter_Demo			
Active BSP:	RutDevKit-PSoC62			
Enter filter	text	7 A A		
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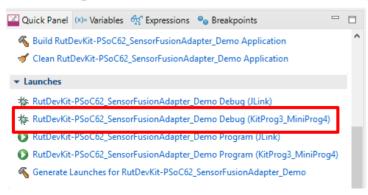
Build and Debug Imported Example



1.) Build: Right Click on the project and click "Build Project".



2.) Debug: Click on the "KitProg3" debug option in "Quick Panel".

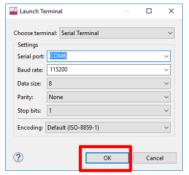


Launch a Terminal for Debug Output Monitoring



1.) Click on the terminal button and select the KitProg3 COM port.



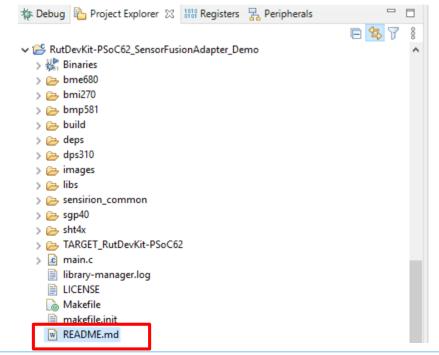


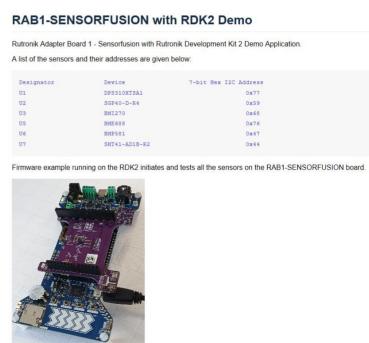
2.) The sensor data is refreshed every second in the COM terminal window.

"SensorFusionAdapter_Demo" README.md



Check the README.md file before starting to explore the code example. You may find important hints or what else is needed to have firmware running properly.









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