

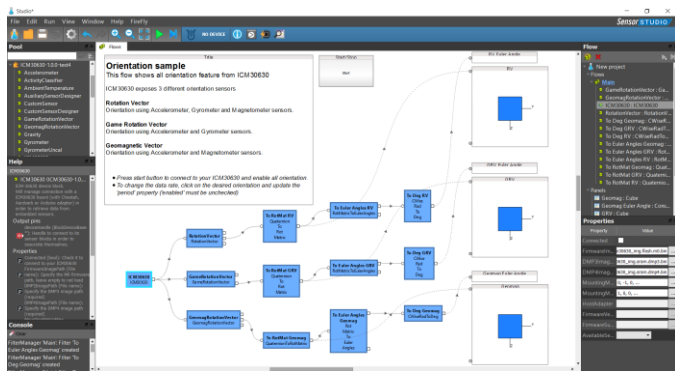
The Sensor Development Platform for the Internet of Sensors

GENERAL DESCRIPTION

SensorStudio is the sensor development platform for the “Internet of Sensors” which brings a unique level of simplification and integration to the IoT market, accelerating the creation of smart applications.

SensorStudio enables rapid prototyping and development of IoT applications. The tool and development platform simplifies and reduces software and algorithm development cycle, time to market and enable developers to go from C-to-Reality in minutes.

Join our rapidly growing community at [Developers Corner](#) (+30k developers, partners), download SensorStudio today. Even more possibilities coming soon with SensorStudio impressive roadmap.



APPLICATIONS

- Internet Of Things

FEATURES

- **Graphical User Interface:** program & visualize your custom sensors & data fusion
- **Visual environment:**
 - Graphical Flows, Actions, Blocks
 - 2D Plots, Histogram, Cube, ...
 - C/C++ Primitives
- **Contextual Help**
- **Cross-compiler & Debugger integration**
 - GCC linaro
 - J-LINK Debug probe (Segger)
 - Eclipse IDE for C/C++ Developers
- **Extension API** to create sensor drivers & data fusion
 - *Power optimized Sensor Framework* with integrate FreeRTOS.
 - *Pre-integrated Auxiliary sensors:* magnetometer AKM-09911, pressure BMP-280, proximity VCNL4040

DETAILED DESCRIPTION

- **SensorStudio simplifies sensor development**
SensorStudio simplifies programming and addition of new sensors to the Sensor Framework via a documented set of APIs. The framework handles I2C, GPIO, tasks and timers, without the developer experiencing the complexity of real-time OS management.

- **SensorStudio is great for data fusion**
SensorStudio lets you visually assemble elements in a logical way and access all the necessary visualizations that fully support the sensor fusion design cycle needs.

The simple GUI uses sensors blocks that can be arranged in elegant and meaningful flow charts for developers to run and validate their program, resulting in a rapid prototyping application development.

InvenSense supplies the standard sensor block functions derived from the in-house developed sensor framework software.

Developers can also create their own custom sensor functions and verify their functionality in SensorStudio.

- **SensorStudio takes debugging to the next level**
SensorStudio supports debugging industry standards. Eclipse IDE for C/C++ Developers is just one-click away from your sensor fusion code.

SensorStudio also gives access to higher levels of abstraction thru a rich set of visualizations and computing libraries. SensorStudio help reach insight, fine tune, verify sensor fusion and gets product ready for market faster.

DEVELOPMENT KIT AND BLOCK DIAGRAM

