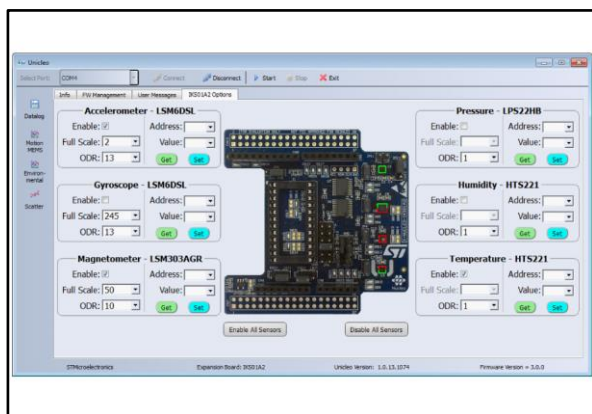


GUI for X-CUBE-MEMS1, motion MEMS and environmental sensor software expansion for STM32Cube

Data brief



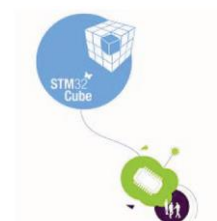
Description

Unicleo-GUI is a graphical user interface (GUI) for the X-CUBE-MEMS1 software expansion and STM32 Nucleo expansion boards (X-NUCLEO-IKS01A1 and X-NUCLEO-IKS01A2).

The main target of this application is to demonstrate the functionality of ST sensors supported by X-CUBE-MEMS1 and algorithms distributed in the Open.MEMS library.

Features

- Display data from connected sensors in various views (time plot, scatter plot, 3D plot)
- Save data to tab separated (TSV) or comma separated (CSV) files
- Configurable output data rate and full scale
- Direct read from and write to sensor registers
- Cooperates with examples from X-CUBE-MEMS1 (Datalog, DatalogUnicleo)
- Cooperates with application examples for algorithms distributed in Open.MEMS library (Activity Recognition, Carry Position, Gesture Recognition, Sensor Fusion, Pedometer, Magnetometer Calibration, Accelerometer Calibration, Gyroscope calibration, Activity Recognition for Wrist, Pose Estimation, Motion Intensity Detection)
- Windows®-based application



1 Revision history

Table 1: Document revision history

Date	Version	Changes
19-Oct-2016	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2016 STMicroelectronics – All rights reserved