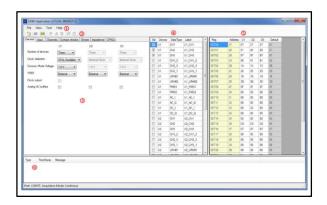# Firmware/software package for the STEVAL-IME002Vx electrocardiogram evaluation boards

Data brief

Features

- Firmware for STM32 fully available as source code
- GUI provides easy access to HM301D features to log ECG signals

Description

The STSW-IME002 package contains the firmware for the STEVAL-IME002Vx electrocardiogram (ECG) and body impedance evaluation boards, and a graphical user interface (GUI) capable of retrieving the data acquired by the HM301D device mounted on the board.

The STEVAL-IME002Vx are product evaluation boards designed around the HM301D diagnostic-quality analog front end for bio-electric sensors and bio-impedance measurements. The boards are designed to demonstrate the performance of the HM301D in single-lead or multi-lead ECG systems.

The firmware package is designed using the IAR Embedded Workbench, and is fully available as source code for the STM32. The GUI permits the user to configure the internal parameters of up to 3 HM301D devices, select and plot up to 6 data channels, view the HM301D registers, detect the lead-off and measure the body impedance.

For further information contact your local STMicroelectronics sales office

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1 Revision history

Table 1: Document revision history

Date	Rev	Changes
09-Dec-2014	1	First release.

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