



## Description

The STEVAL-ICB004V1 demonstration kit is designed to demonstrate the high performance resistive touch sensing capabilities of the STMPE811 touchscreen controller. The board offers the added functionality of a USB universal dongle for I<sup>2</sup>C and SPI interfaces, and DFU (device firmware upgrade) protocol for run-time firmware upgrades. Multi-functionality in a single board renders the STEVAL-ICB004V1 a multi-purpose kit.

Easy evaluation at the product selection stage of the system design process adds to the benefits of the system. This USB-based demonstration kit is packaged with a Windows XP®-platform STMPE811 demonstration GUI (graphical user interface) to capture writing/drawing on the touchscreen, as well as software for a universal dongle GUI for evaluation of different I<sup>2</sup>C, SPI sensors and a DFU GUI for run-time firmware upgrades.

## Key Features

- Four-wire resistive touch sensing demonstration GUI
- Configurable touch sensing parameters STMPE811 GPIO expander functionality hardware support
- Hardware-configurable jumper headers offering flexibility and ease of interfacing the touchscreen controller in customer design
- USB universal dongle functionality for STM32 microcontroller SPI and I<sup>2</sup>C
- Run-time application firmware upgrade using DFU
- RoHS compliant

## Board Photo

