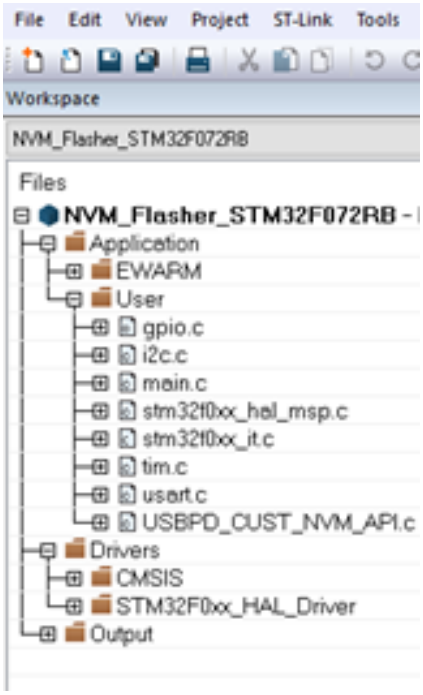
# STSW-STUSB006

Data brief

## The STUSB4761 NVM customization tool (via I²C)




## Features

- Open source code
- HW set-up: NUCLEO-F072RB (STM32F072RB Nucleo-64 development board)
- C code compilers supported:
  - IAR 8.x
  - Keil µVision 5.x
  - GNU Arm embedded toolchain

## Description

The STSW-STUSB006 is a software library enabling the STUSB4761 non-volatile-memory customization via I²C. Open source software is available to speed-up the process or migrate to different environments.

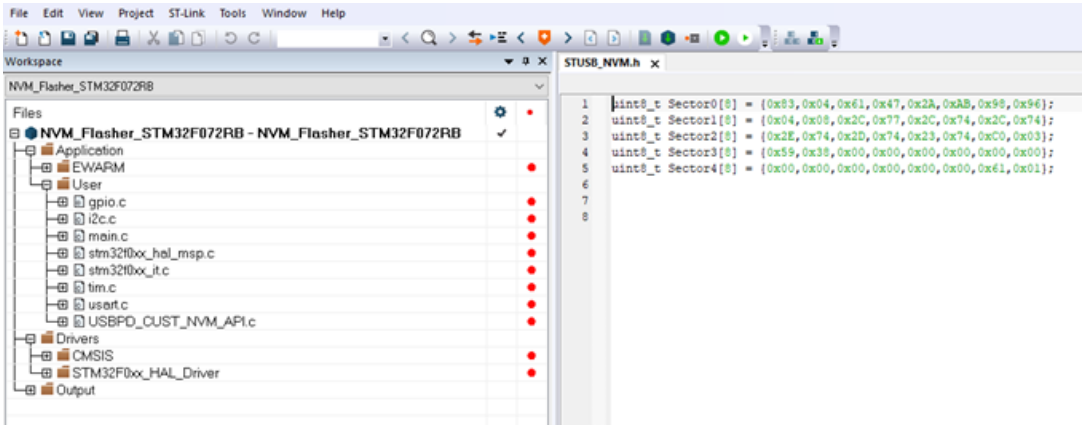
A graphical user interface (GUI) is used to manually customize the STUSB4761 parameters (STSW-STUSB005). Once frozen, the non-volatile-memory settings can be dumped by the GUI into an output file (STUSB-NVM.h). The STSW-STUSB006 library provides all the necessary software structures and functions to load automatically the file into the NVM from the IC using I²C port.

| Product status link |
|---|
| STSW-STUSB006 |

| Related products | |
|---|---|
| STUSB4761 | Standalone USB PD controller for AC/DC applications |
| STSW-STUSB005 | STUSB4761 graphical user interface |

# 1 STUSB4761 NVM customization library

Figure 1. **STUSB4761 NVM customization library**



# Revision history

**Table 1. Document revision history**

| Date | Version | Changes |
|---|---|---|
| 06-Nov-2020 | 1 | Initial release. |

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