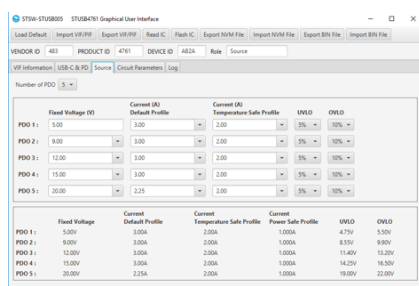


The graphical user interface



Features

- Access to the STUSB4761 non-volatile-memory
- Configuration of the STUSB4761 programming tool
- .VIF import

Description

The **STSW-STUSB005** is a free graphical user interface (GUI) aimed at customizing seamlessly the STUSB4761 IC through a direct access to the non-volatile-memory (NVM).

The tool allows NVM area to be read, configured and written without dedicated software skills, thanks to a graphical interface.

The GUI can be used without any connection to the STUSB4761 IC in order to generate automatically the associated configuration files.

The software can be used in association with a NUCLEO-F072RB board for NVM access through I²C or with the EVAL-SCS003V1 dongle for NVM access through USB Type-C receptacle.

Product status link

[STSW-STUSB005](#)

Related products

[STUSB4761](#),
[EVAL-SCS003V1](#),
[EVLSTCH03-45WPD](#),
[NUCLEO-F072RB](#)

1 STSW-STUSB005 GUI

Figure 1. Power profile configuration tab

STSW-STUSB005 STUSB4761 Graphical User Interface

VENDOR ID
 PRODUCT ID
 DEVICE ID
 Role

Number of PDO

	Fixed Voltage (V)	Current (A) Default Profile	Current (A) Temperature Safe Profile	UVLO	OVLO
PDO 1 :	<input type="text" value="5.00"/>	<input type="text" value="3.00"/>	<input type="text" value="2.00"/>	<input type="text" value="5%"/>	<input type="text" value="10%"/>
PDO 2 :	<input type="text" value="9.00"/>	<input type="text" value="3.00"/>	<input type="text" value="2.00"/>	<input type="text" value="5%"/>	<input type="text" value="10%"/>
PDO 3 :	<input type="text" value="12.00"/>	<input type="text" value="3.00"/>	<input type="text" value="2.00"/>	<input type="text" value="5%"/>	<input type="text" value="10%"/>
PDO 4 :	<input type="text" value="15.00"/>	<input type="text" value="3.00"/>	<input type="text" value="2.00"/>	<input type="text" value="5%"/>	<input type="text" value="10%"/>
PDO 5 :	<input type="text" value="20.00"/>	<input type="text" value="2.25"/>	<input type="text" value="2.00"/>	<input type="text" value="5%"/>	<input type="text" value="10%"/>

	Fixed Voltage	Current Default Profile	Current Temperature Safe Profile	Current Power Safe Profile	UVLO	OVLO
PDO 1 :	5.00V	3.00A	2.00A	1.000A	4.75V	5.50V
PDO 2 :	9.00V	3.00A	2.00A	1.000A	8.55V	9.90V
PDO 3 :	12.00V	3.00A	2.00A	1.000A	11.40V	13.20V
PDO 4 :	15.00V	3.00A	2.00A	1.000A	14.25V	16.50V
PDO 5 :	20.00V	2.25A	2.00A	1.000A	19.00V	22.00V

Figure 2. IC parameter configuration tab

STSW-STUSB005 STUSB4761 Graphical ...

VENDOR ID
 PRODUCT ID
 DEVICE ID
 Role

Current Regulation

Discharge time to transition

Discharge time to 0V

OCP Threshold

Constant Current reference

Stepping Time

Stepping Voltage

Shunt

☐ Disable Device Customization thru type C

Revision history

Table 1. Document revision history

Date	Version	Changes
27-Nov-2019	1	Initial release.

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