

Graphical user interface for the industrial IPS expansion boards for STM32 Nucleo



Features

- Automatic identification of firmware version and application board
- Support for intelligent power switch (IPS) expansion boards (X-NUCLEO-OUT02A1, X-NUCLEO-OUT08A1 and X-NUCLEO-OUT10A1)
- Control of the expansion board from a PC/laptop via USB cable and STM32 Nucleo development board USART interface



Description

The STSW-IFAPGUI graphical user interface is designed to facilitate the control of the industrial IPS expansion boards for STM32 Nucleo.

The common software engine embedded in the STSW-IFAPGUI lets you control different applications with the same GUI.

The automatic detection feature communicates with the firmware running on the STM32 Nucleo development board connected via USB to a laptop/PC and then opens the detected device control window.

The GUI is available free of charge on www.st.com.

Product summary	
Graphical user interface for the industrial IPS expansion boards for STM32 Nucleo	STSW-IFAPGUI
Industrial digital output expansion boards	X-NUCLEO-OUT02A1/ X-NUCLEO-OUT08A1/ X-NUCLEO-OUT10A1
Demonstration firmware for STSW-IFAPGUI and IPS expansion boards	STSW-OUT02/ STSW-OUT8F4/ STSW-OUT8G4
Applications	Industrial Safety Industrial Tools

Revision history

Table 1. Document revision history

Date	Version	Changes
12-Nov-2018	1	Initial release.
04-Mar-2019	2	Added references to STSW-OUT02 firmware.
16-Jun-2020	3	Added X-NUCLEO-OUT08A1, X-NUCLEO-OUT010A1, STSW-OUT8F4 and STSW-OUT8G4 compatibility information.

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. For additional information about ST trademarks, please refer to www.st.com/trademarks. 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.

© 2020 STMicroelectronics – All rights reserved