Software GUI for L9961 evaluation board

Features

- Can be used to evaluate L9961 via STEVAL-L99615C
- Data acquisition of cell voltages, battery pack voltage, battery current and temperature via NTC
- Allows the control of all the L9961 functionalities such as coulomb counting and cell balancing
- Complete diagnostic monitoring
- Register level control of L9961
- Data logging and data export

Description

The STSW-L99615C software package includes the L9961 GUI .exe installer, the application sample scripts to enable the monitoring of key parameters such as cell voltage, battery current and temperature acquisitions, and the binary code to flash the NUCLEO-G071RB STM32 Nucleo-64 development board.

It permits the evaluation of the L9961 IC for industrial battery management applications up to 5 cells.

The STSW-L99615C allows the control of all the L9961 functionalities, thanks to multiple configuration tabs, complete diagnostic monitoring, and register level control.

The GUI manages data logging and data export for offline data analysis.

The binary code runs on the STM32G071RB microcontroller of the NUCLEO-G071RB.

Product summary

Product summary	
Software GUI for L9961 evaluation board	STSW-L99615C
Up to 5 cells BMS for industrial applications based on L9961	STEVAL-L99615C
Chip for industrial battery management applications up to 5 cells	L9961
Mainstream Arm Cortex-M0+ MCU with 128 Kbytes of Flash memory	STM32G071RBT6
STM32Cube MCU Package for STM32G0 series	STM32CubeG0
STLINK-V3 compact in-circuit debugger and programmer for STM32	STLINK-V3MINI
Applications	Power Tools

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Revision history

Table 1. Document revision history

Date	Revision	Changes
17-Apr-2023	1	Initial release.

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