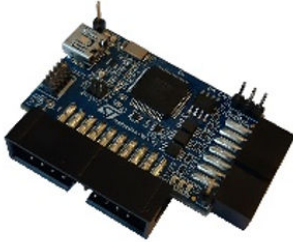# StellarLINK in-circuit debugger/programmer for Stellar and SPC5 automotive microcontrollers

Features

- USB/JTAG debugger dongle for STMicroelectronics automotive MCU
- USB connector for supply and data communication
- Enable application run and debug on Stellar and SPC5x devices
- Compliant with IEEE 1149.1 JTAG protocol
- Integrates serial port connection via USB interface (virtual COM)
- Provides NVM programming (erase/program/verify)
- Connectors:
  - 20-pin Arm® connector for JTAG/main DAP interface
  - 10-pin header connector for JTAG/main DAP interface
  - 14-pin header connector for JTAG interface
  - 3-pin header connector for UART interface
- Status LEDs to indicate target's IO voltage, connection state, and running state
- Operating temperature range: from 0 °C to 50 °C

Description

StellarLINK is the STMicroelectronics programmer for automotive MCUs, supporting the whole family of Stellar MCUs, SR5 and SR6, as well as the traditional SPC5 microcontrollers. StellarLINK is a passive USB-to-JTAG debugger and programmer dongle, which provides a cost-effective, small-size, and fast-prototyping solution for any vehicle applications of today and tomorrow.

StellarLINK ensures short development time through an easy-to-use hardware and a simple software fully integrated into STMicroelectronics' StellarStudio and SPC5-STUDIO IDEs.

The JTAG interface ensures an easy plug to any STMicroelectronics standalone automotive microcontroller and its evaluation boards [compliant with the IEEE 1149.1 JTAG protocol].

StellarLINK provides a virtual COM port interface enabling the host PC to communicate with the microcontroller through a UART.

StellarLINK software is free downloadable from STMicroelectronics website.

Product status link
StellarLINK

Product summary	
Order code	StellarLINK
Reference	StellarLINK JTAG debugger programmer

DB4899 - Rev 2 - February 2023
For further information contact your local STMicroelectronics sales office.

www.st.com

Revision history

Table 1. **Document revision history**

Date	Version	Changes
21-Dec-2022	1	Initial release.
10-Feb-2023	2	Confidentiality level changed from ST Restricted to ST Public.

IMPORTANT NOTICE – READ CAREFULLY