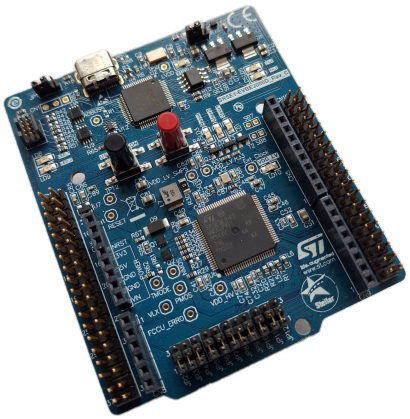
# SR5E1-EVBE3000D

Data brief

## SR5E1-EVBE3000D discovery board



## Features

- SR5E1E3 high-performance 32-bit Arm® Cortex®-M7 and Cortex®-M0+ cores, 2 MB flash, rich analog, high-resolution timer, HSM, ASIL-D in an eTQFP100 package
- On-board USB-JTAG debugger and dedicated connector to plug a standalone JTAG debugger (USB Type-C® connector)
- USB virtual communication port
- Two types of extension resources:
  - ARDUINO® Uno connectivity
  - Extension headers for all device pins and for quick connection to prototyping expansion boards, additional modules, and evaluation probing
- Flexible board power supply:
  - USB port (Type-C®–5 V)
  - External sources (DC): 7÷12 V, 5 V, or 3.3 V and 5 V
- Two push buttons: USER and RESET
- Nine LEDs:
  - 4 integrated programmer/debugger
  - 2 user LEDs and 1 user button
  - 1 reset
  - 3 power LED: +5 V, VDD, VDD_LV
- 40 MHz crystal

| Product status link |
|---|
| SR5E1-EVBE3000D |

| Product summary | |
|---|---|
| **Order code** | SR5E1-EVBE3000D |
| **Reference** | SR5E1E3 discovery board |
| **Package** | eTQFP100 |

## Description

The SR5E1-EVBE3000D discovery board is an evaluation tool supporting STMicroelectronics SR5E1E3, a high-performance 32-bit Arm® Cortex®-M7 and Cortex®-M0+ cores, 2 MB flash, rich analog, high-resolution timer, HSM, ASIL-D in an eTQFP100 package.

The board integrates a programmer/debugger that allows debugging and programming the microcontroller via USB cable. In addition, it allows enabling a UART communication channel (USB virtual COM port).

Dedicated connectors allow plugging shields ARDUINO® Uno-compatible; this feature makes it easy to expand the functionality of the SR5E1-EVBE3000D.

It is recommended to reduce the effort to connect the SR5E1-EVBE3000D to the final user application board.

A MIPI10 JTAG connector is available to program and debug the microcontroller by using an external tool.

The SR5E1-EVBE3000D is easy to use, and the software used to manage the tool is fully integrated into StellarStudio and SPC5STUDIO IDE, which are free to download from the STMicroelectronics website.

# 1 Preface

Stellar SR5 devices embed the Arm® Cortex®-M7+ and Cortex®-M0+ cores.

For information on the Arm® Cortex®-M7 and Cortex®-M0+ cores, refer to the technical reference manuals, available from the www.arm.com website.

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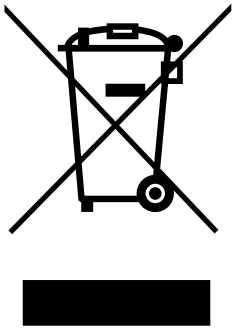
# 2 Product disposal

**Disposal of this product: WEEE (Waste Electrical and Electronic Equipment)**

(Applicable in Europe)



This symbol on the product, accessories, or accompanying documents indicates that the product and its electronic accessories must not be disposed of with household waste at the end of their working life.

To prevent possible harm to the environment and human health from uncontrolled waste disposal, separate these items from other types of waste and recycle them responsibly at a designated collection point to promote the sustainable reuse of material resources.

Household users:

Contact the retailer that you purchased the product from or your local authority for details of your nearest designated collection point.

Business users:

Contact your dealer or supplier for further information.

## Revision history

Table 1. **Document revision history**

| Date | Revision | Changes |
|---|---|---|
| 17-Jul-2024 | 1 | Initial release. |
| 23-Jul-2026 | 2 | Updated Features and Description on cover page.<br>Added Section 1: Preface and Section 2: Product disposal.<br>Minor text changes. |

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