



Standard C platform-independent drivers for MEMS sensors

Features

- Standard C platform-independent drivers
- SPI, I²C, and I3C interfaces supported
- Available in the STMicroelectronics public GitHub repository

Description

Platform-independent drivers, based on standard C programming language, are available in the source code in the [STMicroelectronics public GitHub repository](#) for MEMS motion sensors, environmental sensors, infrared sensors, and biosensors.

The repository contains drivers and examples, which are listed by device part number. The sensor drivers support SPI, I²C, and I3C interfaces.

Integration details are available in the README section of the GitHub repository.

Revision history

Table 1. Document revision history

Date	Version	Changes
31-Jan-2018	1	Initial release
13-Aug-2025	2	Added I3C interface, updated Description

IMPORTANT NOTICE – 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.

In the event of any conflict between the provisions of this document and the provisions of any contractual arrangement in force between the purchasers and ST, the provisions of such contractual arrangement shall prevail.

The 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 acknowledgment.

The 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 the 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.

If the purchasers identify an ST product that meets their functional and performance requirements but that is not designated for the purchasers' market segment, the purchasers shall contact ST for more information.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, 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.

© 2025 STMicroelectronics – All rights reserved