

# SHIELD\_XENSIV\_A XENSIV™ sensor shield release notes

## About this document

### Scope and purpose

Thank you for your interest in the SHIELD\_XENSIV\_A XENSIV™ sensor shield. This document lists kit contents, installation requirements, kit documentation, and limitations.



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## 1 Release contents

### 1 Release contents

#### 1.1 Kit contents

The SHIELD\_XENSIV\_A XENSIV™ sensor shield includes the following:

- XENSIV™ sensor shield
- Quick start guide

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## 2 Tool information

## 2 Tool information

### 2.1 Software and tools

Code examples for this shield require ModusToolbox™ software version 3.1 or later. This is available on the [ModusToolbox™ software](#) webpage. Refer to the kit guide for more details.

### 2.2 Code examples and kit collateral

The kit [webpage](#) contains both the documents and hardware files. Additionally, the code examples are available in the [Infineon GitHub repository](#).

### 2.3 Installation

All the required software installation instructions are provided in the kit guide, which is available on the kit [webpage](#).

### 2.4 Kit revision

This is the initial revision (Rev. \*\*) of the SHIELD\_XENSIV\_A XENSIV™ sensor shield.

### 2.5 Known issues and limitations

- **Power consumption limitation**

XENSIV™ sensor shield consumes higher power when both, the PAS CO2 sensor and RADAR sensor (configured in continuous wave mode) are operated simultaneously. This can exceed the base board's power capabilities, leading to issues with sensor operation and system performance

**Workaround:**

- Consider using the external USB power supply (from **J11** USB connector) option provided on the XENSIV™ sensor shield, if simultaneous operation is required.

### 2.6 Documentation

The following kit documents are available on the kit [webpage](#).

- SHIELD\_XENSIV\_A XENSIV™ sensor shield kit guide
- SHIELD\_XENSIV\_A XENSIV™ sensor shield quick start guide
- SHIELD\_XENSIV\_A XENSIV™ sensor shield release notes

### 2.7 Technical support

For assistance or product-related queries, contact [Infineon Support](#) or post your queries on the [Infineon Developer Community](#).

### 2.8 Additional information

- For more information about the ModusToolbox™ software functionality and releases, see the [ModusToolbox™ software](#) webpage
- For a list of trainings on ModusToolbox™ software, see the [ModusToolbox™ Software Training](#) webpage
- For more information about the XENSIV™ PAS CO2 sensor portfolio and technical documentation, see [CO2 sensors](#)

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## 2 Tool information

- For more information about the XENSIV™ pressure sensor portfolio and technical documentation, see [Pressure sensors for IoT](#)
- For more information about the XENSIV™ 60 GHz RADAR sensor product portfolio and technical documentation, see [XENSIV™ 60 GHz radar MMICs](#)
- For more information about the XENSIV™ MEMS microphone portfolio and technical documentation, see [XENSIV™ MEMS microphones for consumer electronics](#)
- For more information about the OPTIGA™ embedded security solutions and technical documentation, see [OPTIGA™ embedded security solutions](#)

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