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infineon Xensiv Sensor Shield Instruction Manual

**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.

Contents

Release contents

1.1 Kit contents
The SHIELD_XENSIV_A XENSIV™ sensor shield includes the following:

- XENSIV™ sensor shield
- Quick start guide

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** webapge
- For more information about the XENSIV™ PAS CO2 sensor portfolio and technical documentation, see CO2 **sensors**
- For more information about the XENSIV™ pressure sensor portfolio and technical documentation, see **Pressure sensors for IoT**
- For more information about theXENSIV™ 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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Documents / Resources

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Xensiv Sensor Shield, Sensor Shield, Shield

References

- **User Manual**