

Release Notes Appendix for Hightec compiler

Release Notes

Product name: Refer to Package* release notes

Release number: 2.25.0

Type of release: Refer to Package* release notes

Release method: via Release Area

AUTOSAR specification: Refer to Package* release notes

Compiler support: HighTec GNU 4.9.4.1

Processor platform: Refer to Package* release notes

Date: 2023-07-26

Previous release number: Refer to Package* release notes

About this document

Scope and purpose

This document, provides information of compiler version and compiler options intended to use for 2.25.0 delivery.

*Note: *Here Package refers to BASIC/CD/COM-E/ DEMO package.*

Table of contents**Table of contents**

	About this document	1
	Table of contents	2
1	Tool information	3
1.1	Compiler options	3
2	Known issues	3
	Disclaimer	4

Tool information

1 Tool information

Table 1 Tool information

Tool description	Version details	
Compiler	Version: 4.9.4.1	Build number: Release HDP-v4.9.4.1-11fcedf: 4.9.4 build on 2020-09-01

1.1 Compiler options

Table 2 HighTec compiler options used

Options	Description
Compiler driver options for compilation	-Wall -std=c99 -O2 -mtc162 -meabi -fno-short-enums -ffunction-sections -fdata-sections -fstrict-volatile-bitfields
Compiler driver options for linking	-Wl,--mcpu=tc162 -Wl,--gc-sections -nostartfiles -Wl,-n

Note: Compiler options which influence code generation and are not listed, should be left to the default compiler settings. All the above-listed compiler options are mandatory.

Attention: If the compiler options are changed by the user, and if the generated binary output is different than the one generated by the usage of the mandatory compiler options, the functionality and reliability of the drivers cannot be ensured.

2 Known issues

All compiler defects published by the compiler vendor are analyzed and checked for applicability to MCAL product. Only those compiler defects which are applicable and which are not addressed, are mentioned here.

Table 3 Known issues

Module	Issue number	Description
No Known Issues		

Trademarks

All referenced product or service names and trademarks are the property of their respective owners.

Edition 2023-07-26

Published by

Infineon Technologies AG
81726 Munich, Germany

© 2023 Infineon Technologies AG
All Rights Reserved.

Do you have a question about any aspect of this document?

Email: erratum@infineon.com

Document reference
IFX-sez1579684608817

Important notice

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenhheitsgarantie").

With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer's compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer's products and any use of the product of Infineon Technologies in customer's applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer's technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

Warnings

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.