Tools und Referenzliste

Tools und Referenzen

Tool	Version	Kommentar
Git	2.38.1.windows.1	
Code::Blocks	20.03	
EmBitz	2.50	
Python	Python 3.11.4	
MSYS2	20240507	MSYS2 will be used to install gcc and all the needed tools, such as `make` and `GNU coreutils`.
GCC	13.2.0 (Rev3, Built by MSYS2 project)	installed by MSYS2
Make	GNU Make 3.81	installed by MSYS2
DFU-Util	0.7	
zadig	2.9	
Sphinx	8.0.2	
chocolatey	2.2.0	
ORB-Firmware	https://github.com/ThBreuer/ORB-Firmware Commit: e8d74fb	This Repository was integrated into this Project, and added as a Submodule.
ORB-Application	https://github.com/ThBreuer/ORB-Application Commit: f0a4fbb	This Repository was integrated into this Project, and added as a Submodule.
MicroPython	https://github.com/micropython/ Commit: e9814e9	This Repository was integrated into this Project, and added as a Submodule.
Mpy-Cross	v6.3	Part of the MicroPython Repository
Python-Intelhex	https://github.com/python-intelhex/intelhex Commit: 6d0e826	
bin2hex.py	https://gist.github.com/pavel-a/89d71b3aba9d7a9e6f8a61d728b08a8e	

Literatur und Referenzen

Kürzel	Autor	Quelle
ORB-FW	Thomas Breuer. :	„ORB-Firmware“. https://github.com/ThBreuer/ORB-Firmware Commit: e8d74fb
ORB-APP	Thomas Breuer. :	„ORB-Application“. https://github.com/ThBreuer/ORB-Application

Kürzel	Autor	Quelle
		Commit: f0a4fbb
MP	Damien P. George, Paul Sokolovsky et al. :	„MicroPython“. https://github.com/micropython. Commit: e9814e9. Datum: 16.08.2024.
MPD	Damien P. George, Paul Sokolovsky et al. :	„Implementing a Module“. https://docs.micropython.org/en/latest/develop/library.html Stand: 23.10.2024.
MPC	Peter Hinch. :	„Exit micropython from interrupt in c“. https://forum.micropython.org/viewtopic.php?t=2521#p14831 Datum: 17.10.2016.
ARM-al	Hrsg.: Arm Limited :	„Basic data types“. https://developer.arm.com/documentation/dui0491/i/C-and-C---Implementation-Details/Basic-data-types Stand: 30.10.2024
C-s	Hrsg.: ©ISO/IEC, Ballot-Version, Zugriff über: The University of Western Australia.:	„Programming languages — C“. ISO/IEC 9899:2017 - Ballot C17 https://teaching.csse.uwa.edu.au/units/CITS2002/resources/n2176.pdf Jahr: 2017.
-	Hrsg.: Arm Limited.:	„Arm® Cortex®-M4 Processor Technical Reference Manual“. https://documentation-service.arm.com/static/5f19da2a20b7cf4bc524d99a Stand: 02.Mai.2010
-	Joseph Yiu. :	„The Definitive Guide to ARM® Cortex®-M3 and Cortex®-M4 Processors“. ISBN: 9780124079182 Datum: 06.10.2013
-	Jonathan W. Valvano.:	„Embedded Systems: Real-Time Operating Systems for Arm Cortex M Microcontrollers“. ISBN: 978-1466468863 Datum: Januar 2017
GCC-cf	Hrsg.: Free Software Foundation, Inc.:	„3.11 Options That Control Optimization“. https://gcc.gnu.org/onlinedocs/gcc/Optimize-Options.html Stand: 31.10.2024
GCC-co	Hrsg.: Free Software Foundation, Inc.:	„6.3.3.2 Compilation options“. https://gcc.gnu.org/onlinedocs/gnat_ugn/Compilation-options.html Stand: 31.10.2024
-	Hrsg.: STMicroelectronics.:	„STM32F405/415, STM32F407/417, STM32F427/437 and STM32F429/439 advanced Arm®-based 32-bit MCUs“. https://www.st.com/resource/en/reference_manual/dm00031020-stm32f405-415-stm32f407-417-stm32f427-437-and-stm32f429-439-advanced-arm-based-32-bit-mcus-stmicroelectronics.pdf Datum: Juni 2024

Kürzel	Autor	Quelle
STM	Hrsg.: STMicroelectronics.:	„STM32 Cortex®-M4 MCUs and MPUs programming manual“. https://www.st.com/resource/en/programming_manual/pm0214-stm32-cortexm4-mcus-and-mpus-programming-manual-stmicroelectronics.pdf Datum: März 2024
AMD	Hrsg. Advanced Micro Devices, Inc.	„AMD64 Architecture Programmer’s Manual Volume 1: Application Programming“. https://www.amd.com/content/dam/amd/en/documents/processor-tech-docs/programmer-references/24592.pdf Datum: Oktober 2020