

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

Open Source Software Attributions for XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43

This document is provided as part of the fulfillment of OSS license conditions and does not require users to take any action before or while using the product.

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

Contents

1 List of used Open Source Components. 3

2 Appendix - License Text 7

2.1 Apache License 2.0 7

2.2 BSD 3-Clause "New" or "Revised" License 11

2.3 BSD 3-Clause Clear License 12

2.4 MIT License..... 13

2.5 Motorola License 13

2.6 Public Domain..... 14

2.7 zlib License 14

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

1 List of used Open Source Components.

This document contains a list of open source software (OSS) components used within the product under the terms of the respective licenses. The source code corresponding to the open source components is also provided along with the product wherever mandated by the respective OSS license

S l N o.	Name of OSS Compon ent	Versio n of OSS Comp onent	Name and Versio n of Licens e (Licen se text can be found in Appen dix below)	Home Page	More Information
1	CMSIS	5.6.0	Apach e Licens e 2.0 BSD 3- Clause "New" or "Revis ed" Licens e	http://github.com/ARM-software/CMSIS_5/	Copyright (c) 2009-2019 Arm Limited,Copyrigh t 1997-2016 Freescale Semiconductor, Inc,Copyright 2016-2021 NXP,Copyright (c) 2017-2019 IAR Systems
2	Freescal e Boot Manager	2.9.2	BSD 3- Clause "New" or	https://www.nxp.com/design/software/development-software/mcuxpresso-software-and-tools-	Copyright 2016- 2021 NXP,Copyright (c) 2013-2016

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

			"Revised" License Motorola License, BSD 3-Clause Clear License	/mcuxpresso-software-development-kit-sdk:MCUXpresso-SDK	Freescale Semiconductor, Copyright (c) 1999-2000 MOTOROLA INC
3	lwIP - A Lightweight TCP/IP stack	2.1.2	BSD 3-Clause "New" or "Revised" License MIT License	http://savannah.nongnu.org/projects/lwip/	Copyright (c) 2001-2004 Swedish Institute of Computer Science. All rights reserved., Copyright (c) 2017 Simon Goldschmidt. All rights reserved., Copyright (c) 2017 Joel Cunningham, Garmin International, Inc. <joel.cunningham@garmin.com> All rights reserved., Copyright (c) 2013-2016, Freescale Semiconductor, Inc., Copyright (c) 2007 Dominik Spies

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

					<kontakt@dspies.de> All rights reserved., Copyright (c) 2002 CITEL Technologies Ltd. All rights reserved., Copyright (c) 2002-2003, Adam Dunkels. All rights reserved., Copyright (c) 2001-2004 Leon Woestenberg <leon.woestenber rg@gmx.net>, Copyright (c) 2001-2004 Axon Digital Design B.V., The Netherlands. All rights reserved., Copyright (c) 2016-2020 NXP All rights reserved
4	mbed TLS	3.6.1	Apache License 2.0	https://github.com/Mbed-TLS	Copyright The Mbed TLS Contributors
5	mktime	Unspecified	Public Domain	https://github.com/l8nite/pbblesprint/blob/master/src/mktime.c	
6	nanopb	0.4.8	zlib License MIT	https://github.com/nanopb/nanopb/tree/nanopb-0.4.8	Copyright (C) 2003-2005 Markus Kuhn

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

			Licens e		
7	Simplelink_SDK	6.20	BSD 3- Clause "New" or "Revis ed" Licens e	https://www.ti.com/tool/SIMPLELINK-CC13X2-26X2-SDK	Copyright (c) 2010-2022, Texas Instruments Incorporated
8	tiny-AES128-C	v1.0.0	Public Domai n	http://github.com/kokke/tiny-AES128-C/	
9	VGLite	3.0.9	MIT Licens e	https://www.nxp.com/design/software/development-software/mcuxpresso-software-and-tools-/mcuxpresso-software-development-kit-sdk:MCUXpresso-SDK	Copyright 2012 - 2020 Vivante Corporation Santa Clara California, Copyri ght (2020-2020) NXP

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

2 Appendix - License Text

2.1 Apache License 2.0

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

2.2 BSD 3-Clause "New" or "Revised" License

Copyright (c) <year> <owner>.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

2.3 BSD 3-Clause Clear License

The Clear BSD License

Copyright (c) [xxxx]-[xxxx] [Owner Organization]

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted (subject to the limitations in the disclaimer below) provided that the following conditions are met:

- * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- * Neither the name of [Owner Organization] nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

NO EXPRESS OR IMPLIED LICENSES TO ANY PARTY'S PATENT RIGHTS ARE GRANTED BY THIS LICENSE. THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

2.4 MIT License

MIT License

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice (including the next paragraph) shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

2.5 Motorola License

Motorola License Copyright: 1999-2000 MOTOROLA, INC. All Rights Reserved.

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

You are hereby granted a copyright license to use, modify, and distribute the SOFTWARE so long as this entire notice is retained without alteration in any modified and/or redistributed versions, and that such modified versions are clearly identified as such. No licenses are granted by implication, estoppel or otherwise under any patents or trademarks of Motorola, Inc.

This software is provided on an "AS IS" basis and without warranty. To the maximum extent permitted by applicable law, MOTOROLA DISCLAIMS ALL WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY AGAINST INFRINGEMENT WITH REGARD TO THE SOFTWARE (INCLUDING ANY MODIFIED VERSIONS THEREOF) AND ANY ACCOMPANYING WRITTEN MATERIALS. To the maximum extent permitted by applicable law, IN NO EVENT SHALL MOTOROLA BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS) ARISING OF THE USE OR INABILITY TO USE THE SOFTWARE.

Motorola assumes no responsibility for the maintenance and support of this software

2.6 Public Domain

NA

2.7 zlib License

zlib License

Copyright (c) <year> <copyright holders>

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

 BOSCH	OSS Disclosure Document	Date
XC-CP	XC-CP_2wheeler_BRP-HUB3-5_BRP5-0.0_SWP25.1.43	23/05/2025

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.