

1 Software information

Any software embedded in this product is protected by copyright. In case open-source software is included, the associated terms of use apply. These are printed below. If the terms of use require, the source code will be provided to the purchaser/end user upon request. In case third-party software is included, the rights of use derived from the regulations with the licensor are transferred to the purchaser/end user. These regulations are printed below.

Software licences

Licence 'STM32 HAL (Hardware abstraction layer), STM32 STL (Selftest library)'

Copyright (c) 2018 STMicroelectronics SLA0048 Rev4/March 2018

BY INSTALLING COPYING, DOWNLOADING, ACCESSING OR OTHERWISE USING THIS SOFTWARE PACKAGE OR ANY PART THEREOF (AND THE RELATED DOCUMENTATION) FROM STMICROELECTRONICS INTERNATIONAL N.V, SWISS BRANCH AND/OR ITS AFFILIATED COMPANIES (STMICROELECTRONICS), THE RECIPIENT, ON BEHALF OF HIMSELF OR HERSELF, OR ON BEHALF OF ANY ENTITY BY WHICH SUCH RECIPIENT IS EMPLOYED AND/OR ENGAGED AGREES TO BE BOUND BY THIS SOFTWARE PACKAGE LICENSE AGREEMENT.

Under STMicroelectronics' intellectual property rights and subject to applicable licensing terms for any third-party software incorporated in this software package and applicable Open Source Terms (as defined here below), the redistribution, reproduction and use in source and binary forms of the software package or any part thereof, with or without modification, are permitted provided that the following conditions are met:

1. Redistribution of source code (modified or not) must retain any copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form, except as embedded into microcontroller or microprocessor device manufactured by or for STMicroelectronics or a software update for such device, 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 STMicroelectronics nor the names of other contributors to this software package may be used to endorse or promote products derived from this software package or part thereof without specific written permission.
4. This software package or any part thereof, including modifications and/or derivative works of this software package, must be used and execute solely and exclusively on or in combination with a microcontroller or a microprocessor devices manufactured by or for STMicroelectronics.
5. No use, reproduction or redistribution of this software package partially or totally may be done in any manner that would subject this software package to any Open Source Terms (as defined below).
6. Some portion of the software package may contain software subject to Open Source Terms (as defined below) applicable for each such portion ("Open Source Software"), as further specified in the software package. Such Open Source Software is supplied under the applicable Open Source Terms and is not subject to the terms and conditions of license hereunder. "Open Source Terms" shall mean any open source license which requires as part of distribution of software that the source code of such software is distributed therewith or otherwise made available, or open source license that substantially complies with the Open Source definition specified at www.opensource.org and any other comparable open source license such as for example GNU General Public License (GPL), Eclipse Public License (EPL), Apache Software License, BSD license and MIT license.
7. This software package may also include third party software as expressly specified in the software package subject to specific license terms from such third parties. Such third party software is supplied under such specific license terms and is not subject to the terms and conditions of license hereunder. By installing

copying, downloading, accessing or otherwise using this software package, the recipient agrees to be bound by such license terms with regard to such third party software.

8. STMicroelectronics has no obligation to provide any maintenance, support or updates for the software package.
9. The software package is and will remain the exclusive property of STMicroelectronics and its licensors. The recipient will not take any action that jeopardizes STMicroelectronics and its licensors' proprietary rights or acquire any rights in the software package, except the limited rights specified hereunder.
10. The recipient shall comply with all applicable laws and regulations affecting the use of the software package or any part thereof including any applicable export control law or regulation.
11. Redistribution and use of this software package partially or any part thereof other than as permitted under this license is void and will automatically terminate your rights under this license.

THIS SOFTWARE PACKAGE IS PROVIDED BY STMICROELECTRONICS AND CONTRIBUTORS AS IS AND ANY EXPRESS, IMPLIED OR STATUTORY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS ARE DISCLAIMED TO THE FULLEST EXTENT PERMITTED BY LAW. IN NO EVENT SHALL STMICROELECTRONICS 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 IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE PACKAGE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

EXCEPT AS EXPRESSLY PERMITTED HEREUNDER AND SUBJECT TO THE APPLICABLE LICENSING TERMS FOR ANY THIRD-PARTY SOFTWARE INCORPORATED IN THE SOFTWARE PACKAGE AND OPEN SOURCE TERMS AS APPLICABLE, NO LICENSE OR OTHER RIGHTS, WHETHER EXPRESS OR IMPLIED, ARE GRANTED UNDER ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS OF STMICROELECTRONICS OR ANY THIRD PARTY.

Licence 'BIGDIGITS multiple-precision arithmetic library'

Copyright (c) 2001-13 D.I. Management Services Pty Limited

This source code is part of the BIGDIGITS multiple-precision arithmetic library Version 2.4 originally written by David Ireland, copyright (c) 2001-13 D.I. Management Services Pty Limited, all rights reserved. You are permitted to use compiled versions of this code at no charge as part of your own executable files and to distribute unlimited copies of such executable files for any purposes including commercial ones provided you agree to these terms and conditions and keep the copyright notices intact in the source code and you ensure that the following characters remain in any object or executable files you distribute AND clearly in any accompanying documentation:

"Contains BIGDIGITS multiple-precision arithmetic code originally written by David Ireland, copyright (c) 2001-11 by D.I. Management Services Pty Limited <www.di-mgt.com.au>, and is used with permission."

David Ireland and DI Management Services Pty Limited make no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind. Our liability will be limited exclusively to the refund of the money you paid us for the software, namely nothing. By using the software you expressly agree to such a waiver. If you do not agree to the terms, do not use the software. Please forward any comments and bug reports to <www.di-mgt.com.au>. The latest version of the source code can be downloaded from <www.di-mgt.com.au/bigdigits.html>. Last updated: 27 April 2013.

Licence 'Byte-oriented AES-256 implementation'

Copyright (c) 2007-2009 Ilya O. Levin, <http://www.literatecode.com>.

Other contributors: Hal Finney

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

2 FP200 Open Source License

app_update v5.0.1

This component is licensed under apache-2.0.

Licenses: Apache 2.0

bootloader v5.0.1

This component is licensed under apache-2.0 bsd-simplified.

Copyrights:

- Copyright (c) 2014, Kenneth MacKay
- Copyright 2015, Kenneth MacKay
- Copyright 2015-2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, BSD 2-Clause

bootloader_support v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022-2023 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0 Creative Commons CC0 1.0 Universal

console v5.0.1

This component is licensed under apache-2.0 bsd-new_HEITMANN bsd-simplified-NETBSDFOUNDATION bsd-simplified tcl zlib.

Copyrights:

copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation

- Copyright (c) 2000 The NetBSD Foundation, Inc.
- Copyright (c) 2002, Christopher Clark

- Copyright (c) 2010-2013, Pieter Noordhuis
- Copyright (c) 2010-2014, Salvatore Sanfilippo
- Copyright (c) 2010-2016, Salvatore Sanfilippo
- Copyright 2013-2019 Tom G. Huang
- Copyright (c) 2014, Paul Hsieh
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 1998-2001,2003-2011,2013 Stewart Heitmann
- Copyright 2021 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0 BSD-3-Clause (Heitmann), BSD-2-Clause (NetBSD Foundation), BSD 2-Clause, TCL/TK License, ZLIB License

cxv v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0 Creative Commons, CC0 1.0 Universal

driver v5.0.1

This component is licensed under apache-2.0 cc0-1.0 isc.

Copyrights:

- Copyright 2006 Uwe Stuehler <uwe@openbsd.org>
- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, ISC License, Creative Commons CC0 1.0 Universal

efuse v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2017- d Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_app_format v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, Creative Commons CC0 1.0 Universal

esp_common v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_event v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, Creative Commons CC0 1.0 Universal

esp_hw_support v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2013-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2013-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_netif v5.0.1

This component is licensed under apache-2.0 bsd-new cc0-1.0.

Copyrights:

- Copyright 2001-2004 Swedish Institute of Computer Science
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, BSD-3-Clause, Creative Commons CC0 1.0 Universal

esp_partition v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, Creative Commons CC0 1.0 Universal

esp_phy v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright (c) 2015-2021 Espressif Systems
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_pm v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2016-2017 Espressif Systems (Shanghai) PTE LTD
- Copyright 2016-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_psrpm v5.0.1

This component is licensed under apache-2.0 cc0-1.0.

Copyrights:

- Copyright 2013-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2013-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0, Creative Commons CC0 1.0 Universal

esp_ringbuf v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_rom v5.0.1

This component is licensed under apache-2.0 bsd-new mit public-domain.

Copyrights:

- Copyright (c) 2006 Bertrik Sikken (bertrik@sikken.nl)
- Copyright (c) 2001-2006 by Tensilica Inc. copyright (c) Espressif System 2019

- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) PTE LTD
- Copyright (c) 2015,2016 Intel Corporation
- Copyright (c) 2016 Intel Corporation
- Copyright (c) 2003-2005, Jouni Malinen <j@w1.fi>
- Copyright (c) 2017 PHYTEC Messtechnik GmbH

Licenses: Apache 2.0, BSD-3-Clause, MIT License, Public Domain

esp_system v5.0.1

This component is licensed under apache-2.0 bsd-simplified cc0-1.0.

Copyrights:

- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD

- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- ESP-IDF Copyright (c) 2020 Espressif Systems (Shanghai) Co. Ltd.
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2017 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2017 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright (c) 2016, Linaro Limited

Licenses: Apache 2.0, BSD 2-Clause, Creative Commons CC0 1.0 Universal

esp_timer v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

esp_wifi v5.0.1

This component is licensed under apache-2.0 cc0-1.0 public-domain.

Copyrights:

- Copyright (c) 2015-2016 Espressif Systems
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2017 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0, Creative Commons CC0 1.0 Universal, Public Domain

freertos v5.0.1

This component is licensed under apache-2.0 mit.

Copyrights:

- Copyright 2020 Amazon.com, Inc.
- Copyright 2017 Amazon.com, Inc.
- Copyright (c) 2020 Amazon.com, Inc. or its affiliates
- Copyright (c) 2019 Amazon.com, Inc. or its affiliates
- Copyright (c) 2017 Amazon.com, Inc. or its affiliates
- Copyright 2015-2019 Cadence Design Systems, Inc.
- Copyright (c) 2015-2019 Cadence Design Systems, Inc.
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017, Intel Corporation

Licenses: Apache 2.0, MIT License

hal v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2021 Espressif Systems
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Espressif Systems (shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0

heap v5.0.1

This component is licensed under apache-2.0 bsd-new cc0-1.0.

Copyrights:

- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2006-2016 Matthew Conte

Licenses: Apache 2.0, BSD-3-Clause, Creative Commons CC0 1.0 Universal

json v5.0.1

This component is licensed under apache-2.0 mit.

Copyrights:

- Copyright (c) 2015 Alexander Mueller
- Copyright (c) 2009 Dave Gamble
- Copyright (c) 2009-2017 Dave Gamble and cJSON contributors
- Copyright (c) 2009-2019 Dave Gamble and cJSON contributors
- Copyright (c) 2010 James Grenning
- Copyright (c) 2007 Mike Karlesky, Mark VanderVoord, Greg Williams
- Copyright (c) 2007-14 Mike Karlesky, Mark VanderVoord, Greg Williams
- Copyright 2014 The
- Copyright (c) 2007 - 2017 Unity Project

Licenses: Apache 2.0 MIT License

log v5.0.1

This component is licensed under apache-2.0 public-domain.

Copyrights: Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD Licenses: Apache 2.0 Public Domain

lwip 5.0.1

This component is licensed under anu-license apache-2.0 bsd-new bsd-ack_Komulainen bsd-new_CITEL bsd-new_Institute bsd-new_PolarSSL bsd-simplified bsfa cmu-computing-services other-permissive_1 other-permissive_2 paul-mackerras paul-mackerras-binary paul-mackerras-new ppp.

Copyrights:

- Copyright (c) 2002-2003, Adam Dunkels
- Copyright (c) 2006 Axon Digital Design B.V.
- Copyright (c) 2006 Axon Digital Design B.V., The Netherlands

- Copyright (c) 2001-2004 Axon Digital Design B.V., The Netherlands
- Copyright (c) 2003-2004 Axon Digital Design B.V., The Netherlands
- Copyright (c) 2001, 2002 Axon Digital Design B.V., The Netherlands
- Copyright (c) 2017 Benjamin Aigner portions
- Copyright (c) 2001 by Cognizant Pty Ltd.
- Copyright (c) 1998 by Global Election Systems Inc. portions
- Copyright (c) 1997 by Global Election Systems Inc.
- Copyright (c) 2003 by Marc Boucher, Services Informatiques (MBSI) inc.
- Copyright (c) 2006 by Marc Boucher, Services Informatiques (MBSI) inc.
- Copyright (c) 2001 by Sun Microsystems, Inc.
- Copyright (c) 1984-2000 Carnegie Mellon University
- Copyright (c) 1989 Carnegie Mellon University
- Copyright (c) 2006-2008 Christophe Devine
- Copyright (c) 2002 CITELE Technologies Ltd.
- Copyright (c) Deltatec Enterprises Ltd. 2013
- Copyright (c) 2015 Dirk Ziegelmeier
- Copyright (c) 2017 Dirk Ziegelmeier
- Copyright (c) 2007 Dominik Spies <kontakt@dspies.de>
- Copyright (c) 2016 Elias Oenal
- Copyright (c) 2016 Elias Oenal and Dirk Ziegelmeier
- Copyright (c) 1995 Eric Rosenquist
- Copyright (c) 2016 Erik Andersson
- Copyright (c) 2016 Erik Andersson <erian747@gmail.com>
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2017 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Francesco Giancane <francesco.giancane@accenture.com>
- Copyright (c) 1998, 1999 Francis.Dupont@inria.fr
- Copyright (c) 1995, 1996, 1997 Francis.Dupont@inria.fr, INRIA
- Copyright (c) 2007-2009 Frederic Bernon, Simon Goldschmidt
- Copyright (c) 1998 Global Election Systems Inc. portions
- Copyright (c) 1998 Global Election Systems Inc. portions
- Copyright (c) 1997 Global Election Systems Inc.
- Copyright (c) 2002 Google, Inc.
- Copyright (c) 2002,2003,2004 Google, Inc.

- Copyright (c) 2010 Inico Technologies Ltd.
- Copyright (c) 2015 Inico Technologies Ltd.
- Copyright (c) 2017 Joel Cunningham, Garmin International, Inc. <joel.cunningham@garmin.com>
- Copyright (c) 2003-2004 Leon Woestenberg <leon.woestenberg@axon.tv>
- Copyright (c) 2001, 2002 Leon Woestenberg <leon.woestenberg@axon.tv>
- Copyright (c) 2001-2004 Leon Woestenberg <leon.woestenberg@gmx.net>
- Copyright (c) 2009 Paul Bakker
- Copyright (c) 1994-2002 Paul Mackerras
- Copyright (c) 2003 Paul Mackerras
- Copyright (c) 2008 Paul Mackerras
- Copyright (c) 1993-2002 Paul Mackerras
- Copyright (c) 1996-2002 Paul Mackerras
- Copyright (c) 2000-2002 Paul Mackerras
- Copyright (c) 1999-2002 Paul Mackerras
- Copyright (c) 1989 Regents of the University of California
- Copyright (c) 2017 Simon Goldschmidt
- Copyright (c) 2018 Simon Goldschmidt
- Copyright (c) 2014 Simon Goldschmidt
- Copyright (c) 2018 Simon Goldschmidt <goldsimon@gmx.de>
- Copyright (c) 2017 Simon Goldschmidt <goldsimon@gmx.de>
- Copyright (c) 2001-2004 Swedish Institute of Computer Science
- Copyright (c) 2001, 2002 Swedish Institute of Computer Science
- Copyright (c) 2001-2003 Swedish Institute of Computer Science
- Copyright (c) 2018 Swedish Institute of Computer Science
- Copyright (c) 2001, Swedish Institute of Computer Science
- Copyright 2001-2003 Swedish Institute of Computer Science
- Copyright (c) 1994 The Australian National University
- Copyright (c) 2017 The MINIX 3 Project
- Copyright (c) 2016 The MINIX 3 Project
- Copyright (c) 2002 The NetBSD Foundation, Inc.
- Copyright (c) 2013-2017, tinydir authors
- Copyright (c) 1999 Tommi Komulainen
- Copyright (c) 2015 Verisure Innovation AB

Licenses: Australian National University License Apache 2.0, BSD-3-Clause BSD-Original BSD-3-Clause-Attribution (Komulainen), BSD-3-Clause (CITEL), BSD-3-Clause (Institute), BSD-3-Clause (PolarSSL), BSD 2-Clause, Berkeley Software License Agreement, Berkeley Software License Agreement (Carnegie Mellon University), Carnegie Mellon Computing Services License, Other Permissive Licenses (1) Other Permissive Licenses (2) Paul Mackerras License Paul Mackerras Binary License Paul Mackerras New License ppp License

mbdctl v5.0.1

This component is licensed under apache-2.0 bsd-new.

Copyrights:

- Copyright (c) 2015 Angus Gratton
- Copyright (c) 2019-2021, Arm Limited
- Copyright (c) 2006-2015, ARM Limited Additions Copyright (c)

- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright The Mbed TLS Contributors
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2019 Espressif Systems (Shanghai) PTE LTD Additions
- Copyright (c) 2016-2017, Espressif Systems (Shanghai) PTE Ltd Additions
- Copyright (c) 2016-2020, Espressif Systems (Shanghai) PTE Ltd
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD Additions
- Copyright (c) 2016, Espressif Systems (Shanghai) PTE Ltd
- Copyright 2018 Espressif Systems (Shanghai) PTE LTD Additions
- Copyright (c) 2019-2020, Espressif Systems (Shanghai) PTE Ltd Additions
- Copyright (c) 2016-20, Espressif Systems (Shanghai) PTE Ltd
- Copyright 2019-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD Additions
- Copyright (c) 2016, Espressif Systems (Shanghai) PTE LTD Additions
- Copyright (c) 2016-2020, Espressif Systems (Shanghai) PTE LTD
- Copyright 2016-2018 INRIA and Microsoft
- Corporation Copyright (c) INRIA and Microsoft
- Corporation (c) 2006 Entrust
- Copyright (c) 2004, 2006 The Linux Foundation and its contributors

Licenses: Apache 2.0 BSD-3-Clause

newlib v5.0.1

This component is licensed under amd-historical apache-2.0 bsd-2-clause-views bsd-new bsd-simplified cc0-1.0 delorie-historical intel-osl-1993 hs-regex newlib-historical nilsson-historical standard-ml-nj sunpro x11-hanson x11-lucent hp-1986 superh-historical intel-osl-1993.

Copyrights:

- Copyright (c) 2011, Adapteva, Inc.
- Copyright 1989, 1990 Advanced Micro Devices, Inc.
- Copyright (c) 1995 Alex Tatmanjants <alex@elvisti.kiev.ua> at Electronni Visti IA, Kiev, Ukraine
- Copyright (c) 2000, 2001 Alexey Zelkin <phantom@FreeBSD.org>
- Copyright (c) 2003 Altera Corporation
- Copyright (c) 2009 ARM Ltd
- Copyright (c) 2003, Artem B. Bityuckiy, SoftMine Corporation
- Copyright (c) 1997 by Andrey A. Chernov, Moscow, Russia
- Copyright (c) 1996 by Andrey A. Chernov, Moscow, Russia
- Copyright (c) 1991 by AT&T.
- Copyright (c) 1998-2001 by Lucent Technologies
- (c) 1993 by Sun Microsystems, Inc.
- Copyright (c) 2001 Christopher G. Demetriou

- Copyright (c) 1999 Citrus Project
- Copyright (c) 2001 Daniel Eischen <deischen@FreeBSD.org>
- Copyright (c) 1991 DJ Delorie
- Copyright (c) 2008 Ed Schouten <ed@FreeBSD.org>
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020 Francesco Giancane <francesco.giancane@accenture.com>
- Copyright (c) 1990-1999, 2000, 2001 Free Software Foundation, Inc.
- Copyright (c) 1997-2002 FreeBSD Project
- Copyright (c) 2001 Hans-Peter Nilsson
- Copyright 1992, 1993, 1994 Henry Spencer
- Copyright (c) 1993 Intel Corporation
- Copyright (c) 1999, 2000 Konstantin Chuguev
- Copyright (c) 1999 Kungliga Tekniska Hogskolan (Royal Institute of Technology, Stockholm, Sweden)
- Copyright (c) 1998, M. Warner Losh <imp@freebsd.org>
- Copyright (c) 2001 Mike Barcroft <mike@FreeBSD.org>
- Copyright (c) 2004 National Semiconductor Corporation
- Copyright (c) 1994-2009 Red Hat, Inc.
- Copyright (c) 1984,2000 S.L. Moshier
- Copyright 2002 SuperH, Inc. (c)
- Copyright 1986 HEWLETT-PACKARD COMPANY (c)
- Copyright 2001,2006, International Business Machines Corporation, Sony Computer Entertainment, Incorporated
- Copyright (c) 1996-2010,2014 Texas Instruments Incorporated <http://www.ti.com>
- Copyright (c) 1997 The Open Group
- Copyright (c) 1981-2000 The Regents of the University of California
- Copyright 2002 Thomas Moestl <tmm@FreeBSD.org>
- Copyright (c) 2002 Thomas Moestl <tmm@FreeBSD.org>
- Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>
- Copyright (c) 1996 Xavier Leroy (Xavier.Leroy@inria.fr)
- Copyright (c) 2004, 2009 Xilinx, Inc.

Licenses: AMD-newlib Apache 2.0 BSD 2-Clause with views sentence BSD-3-Clause BSD 2-Clause Creative Commons CC0 1.0 Universal delorie-historical HPND-Intel Spencer-94 newlib-historical nilsson-historical SMLNJ SunPro x11-hanson dtoa HP-1986 superh-historical

nvs_flash v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0

partition_table v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2016-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD

Licenses: Apache 2.0

pthread v5.0.1

This component is licensed under apache-2.0 public-domain.

Copyrights:

- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2017 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0 Public Domain

soc v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD

- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) Co. Ltd.
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2010-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2016-2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2017-2018 Espressif Systems (Shanghai) PTE LTD
- Copyright 2017-2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2017-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2018 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0

spi_flash v5.0.1

This component is licensed under apache-2.0 bsd-new cc0-1.0.

Copyrights:

- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2010-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2021 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2017 Espressif Systems (Shanghai) PTE LTD
- Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

Licenses: Apache 2.0, BSD-3-Clause Creative Commons, CC0 1.0 Universal

vfs v5.0.1

This component is licensed under apache-2.0.

Copyrights:

- Copyright 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2018-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2017 Espressif Systems (Shanghai) PTE LTD

Licenses: Apache 2.0

wpa_supplicant v5.0.1

This component is licensed under apache-2.0 bsd-new bsd-simplified cc0-1.0 public-domain public-domain-disclaimer.

Copyrights:

- Copyright (c) 2010, Atheros Communications, Inc.
- Copyright (c) 2013 Cozybit, Inc.
- Copyright (c) 2010 Espressif System
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2019-2022 Espressif Systems (Shanghai) CO LTD
- 2015-2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright 2019 Espressif Systems (Shanghai) PTE LTD
- Copyright 2015-2020 Espressif Systems (Shanghai) PTE LTD
- Copyright (c) 2007-2008 Intel Corporation
- Copyright (c) 2015 Intel Deutschland GmbH
- Copyright (c) 2007-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2007, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2005-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2005-2006, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2017, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2007, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2008, Jouni Malinen <j@w1.fi>

- Copyright (c) 2004-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2008-2016, Jouni Malinen <j@w1.fi>
- Copyright (c) 2008-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2009-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2012-2016, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2016, Jouni Malinen <j@w1.fi>
- Copyright (c) 2012-2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2014, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2006, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2007, Jouni Malinen <j@w1.fi>
- Copyright (c) 2010-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2006, Jouni Malinen <j@w1.fi>
- Copyright (c) 2010-2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2017, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2009, 2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2007, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2005, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2010-2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2005, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2014-2017, Jouni Malinen <j@w1.fi>
- Copyright (c) 2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2015-2017, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2017, Jouni Malinen <j@w1.fi>
- Copyright (c) 2011-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2007-2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2014, Jouni Malinen <j@w1.fi>
- Copyright (c) 2008, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2008, 2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2008-2011, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2009, 2012, Jouni Malinen <j@w1.fi>

- Copyright (c) 2007-2008, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2009, 2011-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2009, 2011-2012, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2010, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2018, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2003-2008, Jouni Malinen <j@w1.fi>
- Copyright (c) 2004-2018, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2014, Jouni Malinen <j@w1.fi>
- Copyright (c) 2009-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2009, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2015, Jouni Malinen <j@w1.fi>
- Copyright (c) 2006-2007, Jouni Malinen <j@w1.fi>
- Copyright (c) 2005-2019, Jouni Malinen <j@w1.fi>
- Copyright (c) 2005, Jouni Malinen <j@w1.fi>
- Copyright (c) 2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2006, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2013, Jouni Malinen <j@w1.fi>
- Copyright (c) 2007-2016, Jouni Malinen <j@w1.fi>
- Copyright (c) 2002-2016, Jouni Malinen <j@w1.fi> and contributors
- Copyright (c) 2002-2019, Jouni Malinen <j@w1.fi> and contributors
- Copyright (c) 2015, Pali Rohar <pali.rohar@gmail.com>
- Copyright (c) 2017, Qualcomm Atheros, Inc.
- Copyright (c) 2011-2013, Qualcomm Atheros, Inc.
- Copyright (c) 2011-2012, Qualcomm Atheros, Inc.
- Copyright (c) 2018-2019, The Linux Foundation
- Copyright (c) 2019, The Linux Foundation
- Copyright (c) 2002 Thomas Moestl <tmm@FreeBSD.org>

Licenses: Apache 2.0 BSD-3-Clause BSD 2-Clause Creative Commons CC0 1.0 Universal Public Domain Public Domain Disclaimer

xtensa v5.0.1

This component is licensed under apache-2.0 mit.

Copyrights:

- Copyright (c) 2012 by Tensilica Inc.
- Copyright (c) 1999-2016 Cadence Design Systems Inc.
- Copyright (c) 1999-2018 Cadence Design Systems Inc.
- Copyright (c) 1999-2021 Cadence Design Systems Inc.
- Copyright (c) 2016 Cadence Design Systems Inc.
- Copyright (c) 2006-2015 Cadence Design Systems Inc.
- Copyright (c) 2005-2014 Cadence Design Systems, Inc.
- Copyright (c) 2005-2015 Cadence Design Systems, Inc.
- Copyright (c) 2001-2014 Cadence Design Systems, Inc.

- Copyright (c) 1999-2015 Cadence Design Systems, Inc.
- Copyright (c) 2016 Cadence Design Systems, Inc.
- Copyright (c) 2015-2019 Cadence Design Systems, Inc.
- Copyright 2015-2019 Cadence Design Systems, Inc.
- Copyright 2021 Espressif Systems (Shanghai) CO LTD
- Copyright 2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2020-2022 Espressif Systems (Shanghai) CO LTD
- Copyright 2015-2016 Espressif Systems (Shanghai) PTE LTD
- Copyright 2020 Espressif Systems (Shanghai) PTE LTD
- Copyright (c) 1999-2016 Tensilica Inc.
- Copyright (c) 2003-2004 Tensilica Inc.
- Copyright (c) 1998-2002 Tensilica Inc.
- Copyright (c) 2000-2010 Tensilica Inc.
- Copyright (c) 1999-2018 Tensilica Inc.
- Copyright (c) 1999-2021 Tensilica Inc.
- Copyright (c) 2001-2009 Tensilica Inc.
- Copyright (c) 2000-2014 Tensilica Inc.
- Copyright (c) 2005-2011 Tensilica Inc.
- Copyright (c) 2012 Tensilica Inc.
- Copyright (c) 2006-2012 Tensilica Inc.
- Copyright (c) 2004-2008 Tensilica Inc.
- Copyright (c) 2006-2018 Tensilica Inc.
- Copyright (c) 1999-2008 Tensilica Inc.
- Copyright (c) 2012-2013 Tensilica Inc.
- Copyright (c) 2002-2012 Tensilica Inc.
- Copyright (c) 2002-2013 Tensilica Inc.

Licenses: Apache 2.0 MIT License

AMD-newlib

This software is the property of Advanced Micro Devices, Inc (AMD) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by AMD.

AMD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL AMD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the 29K Technical Support Center at 800-29-29-AMD (800-292-9263) in the USA, or 0800-89-1131 in the UK, or 0031-11-1129 in Japan, toll free. The direct dial number is 512-462-4118. Advanced Micro Devices, Inc. 29K Support Products Mail Stop 573 5900 E. Ben White Blvd. Austin, TX 78741 800-292-9263

Australian National University License

Permission to use, copy, modify, and distribute this software and its documentation is hereby granted, provided that the above copyright notice appears in all copies. This software is provided without any warranty, express or implied. The Australian National University makes no representations about the suitability of this software for any purpose.

IN NO EVENT SHALL THE AUSTRALIAN NATIONAL UNIVERSITY BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE AND ITS DOCUMENTATION, EVEN IF THE AUSTRALIAN NATIONAL UNIVERSITY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THE AUSTRALIAN NATIONAL UNIVERSITY SPECIFICALLY DISCLAIMS ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE SOFTWARE PROVIDED HEREUNDER IS ON AN "AS IS" BASIS, AND THE AUSTRALIAN NATIONAL UNIVERSITY HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

Apache 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.

"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 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 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 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

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

BSD 2-Clause with views sentence

Redistribution and use in source and binary forms, with or without modification, are permitted 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.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR 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 AUTHOR 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 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.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

BSD-3-Clause-Attribution (Komulainen)

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. The name(s) of the authors of this software must not be used to endorse or promote products derived from this software without prior written permission. 4. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by Tommi Komulainen <Tommi.Komulainen@iki.fi>". THE AUTHORS OF THIS SOFTWARE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

BSD-3-Clause

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(s) of the above-listed copyright holder(s) 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 OWNER 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 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.

BSD-3-Clause (CITEL)

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 CITEL Technologies Ltd 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 CITEL TECHNOLOGIES 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 CITEL TECHNOLOGIES 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 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.

BSD-3-Clause (Heitmann)

Redistribution and use in source and binary forms, with or without modification, are permitted 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 STEWART HEITMANN 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 STEWART HEITMANN 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 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.

BSD-3-Clause (Institute)

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 Institute 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 INSTITUTE 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 INSTITUTE 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 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.

BSD-3-Clause (PolarSSL)

Redistribution and use in source and binary forms, with or without modification, are permitted 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 names of PolarSSL or XySSL 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 CONTRIBUTOR "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 OWNER 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 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.

BSD-Original

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. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the <organization>. 4. Neither the name of the <organization> 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 <COPYRIGHT HOLDER> "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 <COPYRIGHT HOLDER> 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 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.

BSD 2-Clause

Redistribution and use in source and binary forms, with or without modification, are permitted 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.

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 OWNER 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 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.

BSD-2-Clause (NetBSD Foundation)

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.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. 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 FOUNDATION 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 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.

Berkeley Software License Agreement

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Berkeley Software License Agreement (Carnegie Mellon University)

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that the software was developed by Carnegie Mellon University. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission. THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Creative Commons CC0 1.0 Universal

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work"). Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others. For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. *Copyright and Related Rights*

A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following: i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work; ii. moral rights retained by the original author(s) and/or performer(s); iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work; iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below; v. rights protecting the extraction, dissemination, use and reuse of data in a Work; vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. *Waiver*

To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work

- (i) in all territories worldwide,
- (ii) for the maximum duration provided by applicable law or treaty (including future time extensions),
- (iii) in any current or future medium and for any number of copies, and
- (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver").

Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. *Public License Fallback*

Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work

- (i) in all territories worldwide,
- (ii) for the maximum duration provided by applicable law or treaty (including future time extensions),
- (iii) in any current or future medium and for any number of copies, and
- (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License").

The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not

- (i) exercise any of his or her remaining Copyright and Related Rights in the Work or
- (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. *Limitations and Disclaimers*

- a) No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.
- b) Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.
- c) Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.
- d) Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

Carnegie Mellon Computing Services License

Redistribution and use in source and binary forms, with or without modification, are permitted 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.
- The name "Carnegie Mellon University" must not be used to endorse or promote products derived from this software without prior written permission. For permission or any legal details, please contact *Office of Technology Transfer*
Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213-3890
(412) 268-4387, fax: (412) 268-7395
tech-transfer@andrew.cmu.edu
- Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by Computing Services at Carnegie Mellon University (<http://www.cmu.edu/computing/>)."

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

delorie-historical

Redistribution, modification, and use in source and binary forms is permitted provided that the above copyright notice and following paragraph are duplicated in all such forms.

This file is distributed WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

HP-1986

To anyone who acknowledges that this file is provided "AS IS" without any express or implied warranty: permission to use, copy, modify, and distribute this file for any purpose is hereby granted without fee, provided that the above copyright notice and this notice appears in all copies, and that the name of Hewlett-Packard Company not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Hewlett-Packard Company makes no representations about the suitability of this software for any purpose.

Spencer-94

This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California.

Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

1. The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.
2. The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.
3. Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.
4. This notice may not be removed or altered.

HPND-Intel

Intel hereby grants you permission to copy, modify, and distribute this software and its documentation. Intel grants this permission provided that the above copyright notice appears in all copies and that both the copyright notice and this permission notice appear in supporting documentation. In addition, Intel grants this permission provided that you prominently mark as "not part of the original" any modifications made to this software or documentation, and that the name of Intel Corporation not be used in advertising or publicity pertaining to distribution of the software or the documentation without specific, written prior permission.

Intel Corporation provides this AS IS, WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Intel makes no guarantee or representations regarding the use of, or the results of the use of, the software and documentation in terms of correctness, accuracy, reliability, currentness, or otherwise; and you rely on the software, documentation and results solely at your own risk.

IN NO EVENT SHALL INTEL BE LIABLE FOR ANY LOSS OF USE, LOSS OF BUSINESS, LOSS OF PROFITS, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. IN NO EVENT SHALL INTEL'S TOTAL LIABILITY EXCEED THE SUM PAID TO INTEL FOR THE PRODUCT LICENSED HEREUNDER.

ISC License

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

MIT License

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 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.

newlib-historical

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

nilsson-historical

Permission to use, copy, modify, and distribute this software is freely granted, provided that the above copyright notice, this notice and the following disclaimer are preserved with no changes.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Other Permissive Licenses (1)

This software is available with usual "research" terms with the aim of retain credits of the software. Permission to use, copy, modify and distribute this software for any purpose and without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and the name of INRIA, IMAG, or any contributor not be used in advertising or publicity pertaining to this material without the prior explicit permission. The software is provided "as is" without any warranties, support or liabilities of any kind.

Other Permissive Licenses (2)

Non-exclusive rights to redistribute, modify, translate, and use this software in source and binary forms, in whole or in part, is hereby granted, provided that the above copyright notice is duplicated in any source form, and that neither the name of the copyright holder nor the author is used to endorse or promote products derived from this software.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Paul Mackerras License

Redistribution and use in source and binary forms, with or without modification, are permitted 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.
- The name(s) of the authors of this software must not be used to endorse or promote products derived from this software without prior written permission.
- Redistributions of any form whatsoever must retain the following acknowledgment:
"This product includes software developed by Paul Mackerras <paulus@samba.org>".

THE AUTHORS OF THIS SOFTWARE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Paul Mackerras Binary License

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. The name(s) of the authors of this software must not be used to endorse or promote products derived from this software without prior written permission.
4. Redistributions of any form whatsoever must retain the following acknowledgment:
"This product includes software developed by Paul Mackerras <paulus@samba.org>".

THE AUTHORS OF THIS SOFTWARE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Paul Mackerras New License

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. The name(s) of the authors of this software must not be used to endorse or promote products derived from this software without prior written permission.

THE AUTHORS OF THIS SOFTWARE DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR

OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

ppp License

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice and the following disclaimer are included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses.

THIS SOFTWARE IS PROVIDED BY THE 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 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 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.

Public Domain

Public Domain Definition

Public domain refers to the total absence of copyright protection for a creative work (such as a book, painting, photograph, movie, poem, article, piece of music, product design or computer program). Public domain works (i.e., works in the public domain) are considered to be a part of the public's cultural heritage, and thus anybody is entitled to make use of them for any purpose, including copying, modifying and even selling, including with a restrictive license such as a EULA (end user license agreement). Moreover, it is even permissible to remove the original author's name and treat it as one's own work. The only restrictions that apply to public domain works are those that apply to goods and services in general, such as laws concerning safety, libel and exports.

Copyright was originally created as a government-granted, short-term monopoly for the purpose of providing a financial incentive for the authors of creative works. It does not protect facts, ideas, discoveries, systems or methods of operation, although it can protect the way they are expressed.

In the case of the U.S., copyright is provided for in the Constitution. Article I, Section 8 states:

The Congress shall have Power ... To promote the Progress of Science and useful Arts, by securing for limited Times to Authors and Inventors the exclusive Right to their respective Writings and Discoveries ...

Patents and trademarks are likewise government-granted monopolies to stimulate invention and commerce. A patent is the granting by a government of the sole rights for an invention to its inventor or applicant for a limited period of time, generally 17 or 20 years from the filing date, according to the country. A trademark protects words, phrases, symbols or designs identifying the manufacturer or supplier of goods or services.

How a Work Enters the Public Domain Copyright applies by default to most types of creative works, and thus it is not necessary for the creator to state on the work that it is copyrighted in order to obtain the full protection of copyright law.

Creative works are in the public domain wherever no law exists that establishes proprietary rights to them or where they are specifically excluded from existing laws. Works that were created before copyright laws were passed are part of the public domain, such as the works of Leonardo da Vinci, William Shakespeare and Franz Schubert. Likewise, mathematical formulae are not subject to copyrights or patents in most countries (although their application in the form of computer programs can be patented). Also, works created by the U.S. Federal Government automatically and immediately enter the public domain.

There are two ways that a copyrighted work can enter the public domain. One is the deliberate surrendering of the copyright by the creator of the work. The other, and more common, is the expiration of the copyright due to the passage of some legally stipulated period of time.

Under current U.S. copyright law, any work created by an individual enters the public domain on January 1, 70 years after the author's death. If the work is a joint effort of two or more authors, it enters the public domain on January 1, 70 years after the death of the last surviving author. In the case of a work made for hire, a work published under a pseudonym or a collective work, it enters the public domain on January 1, 95 years after the date of first publication or 120 years after creation, whichever occurs earlier. Eventually, all works will fall into the public domain, assuming that copyright law does not deviate from its original intention of providing protection only for a limited duration.

Once in the public domain, a work cannot be removed from it. However, any variation on any public domain work becomes the property of the person making the variation, and it receives an automatic copyright, just as do completely original works. Examples include a new arrangement for a piece of music, a new edition of a book and a modified computer program. A modified public domain computer program can be copyrighted and re-licensed, thereby removing that version, but not the original version, from the public domain.

It is a common misconception that free software and freeware are public domain software. Free software, also referred to as open source software, is software that anyone can obtain at no cost and use for any desired purpose, including studying, running on as many computers as desired, modifying, giving away and even selling. It differs from public domain software in that the copyright is retained by the creator (or to whomever the creator transfers it) and the name of the creator and original copyright notice must appear on all redistributions of such software and derivatives thereof.

Freeware also differs from public domain software in that the author retains the copyright. However, it is more restrictive than free software in that the copyright prevents anyone from using the software for any purpose that is not expressly permitted by the author. Freeware licenses typically allow other people to use the software but not to modify and sell it.

In the early days of computers, software was generally in the public domain, as has always been the case with mathematics, scientific knowledge in general and even cooking recipes. However, this situation changed several decades ago when computer companies realized that there were vast profits to be made from selling software and severely restricting its use. The free software movement was started as a reaction to this, including the realization that restricting the use of software (such as the ability to study, modify and redistribute it) was severely impeding technological advance and having a negative effect on the economy as a whole. The goal of this movement is to provide software with the best advantages of the public domain while allowing full credit to be given to its developers and ensuring that it cannot again be taken out of the public domain and its use restricted by powerful companies.

Public Domain Disclaimer

This code is hereby placed in the public domain.

THIS SOFTWARE IS PROVIDED BY THE AUTHORS "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 AUTHORS 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 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.

SMLNJ

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

SunPro

Developed at SunPro, a Sun Microsystems, Inc. business. Permission to use, copy, modify, and distribute this software is freely granted, provided that this notice is preserved.

superh-historical

This software is the property of SuperH, Inc (SuperH) which specifically grants the user the right to modify, use and distribute this software provided this notice is not removed or altered. All other rights are reserved by SuperH.

SUPERH MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS SOFTWARE. IN NO EVENT SHALL SUPERH BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS SOFTWARE.

So that all may benefit from your experience, please report any problems or suggestions about this software to the SuperH Support Center via e-mail at softwaresupport@superh.com.

SuperH, Inc. 405 River Oaks Parkway, San Jose, CA 95134, USA

TCL/TK License

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

x11-hanson

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

dtoa

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software and in all copies of the supporting documentation for such software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, NEITHER THE AUTHOR NOR AT&T MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

The author of this software is David M. Gay.

Copyright (C) 1998-2001 by Lucent Technologies

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that the copyright notice and this permission notice and warranty disclaimer appear in supporting documentation, and that the name of Lucent or any of its entities not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

LUCENT DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL LUCENT OR ANY OF ITS ENTITIES BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

ZLIB License

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.

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.

