**OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just “this product”). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

**Warranty Disclaimer**

**The open source software in this product is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY, without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the applicable licenses for more details.**

**Copyright Notice and License Texts**

**Software:** ipxe 1.20.1

**Copyright notice:**

Copyright, 1988-1992, Russell Nelson, Crynwr Software  
Copyright (C) 2009 Fen Systems Ltd <mbrown@fensystems.co.uk>.  
Copyright (C) 1999 LightSys Technology Services, Inc. etherboot-5.0.5 3c90x.c  
Copyright(c) 1999 - 2008 Intel Corporation.  
Copyright (C) 2018 Michael Brown <mbrown@fensystems.co.uk>.  
(C) 1999-2001 Torben Mathiasen  
Copyright (c) 1993 Herb Peyerl (hpeyerl@novatel.ca) All rights reserved.  
Copyright (c) 2014 - 2016, Intel Corporation. All rights reserved.<BR>  
(c) Copyright 2010 Stefan Hajnoczi <stefanha@gmail.com>  
Copyright (C) 2005 Bin Ren  
Copyright (C) 2011 Michael Brown <mbrown@fensystems.co.uk>.  
Coptright (C) 1995 Martin Renters etherboot-5.0.5 3c509.c  
Copyright (c) 2010 Andrei Faur <da3drus@gmail.com>  
Copyright (C) 2009 Daniel Verkamp <daniel@drv.nu>.  
Copyright 2009, Myricom, Inc.  
Copyright (c) 2006 - 2011, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2007 Luis R. Rodriguez <mcgrof@winlab.rutgers.edu>  
Copyright (c) 2015, Cavium Inc. All rights reserved.<BR>  
Copyright (c) 2009 Atheros Communications Inc.  
Copyright (C) 2001 Jeff Garzik (jgarzik@pobox.com)  
Copyright (c) 2006 Devicescape Software, Inc.  
Copyright (C) 2009 Marty Connor <mdc@etherboot.org>.  
Copyright (c) 2007-2008 Luis Rodriguez <mcgrof@winlab.rutgers.edu>  
Copyright (C) 2012 Adrian Jamroz <adrian.jamroz@gmail.com>  
Copyright (c) 2009 Thomas Miletich  
Copyright (C) 1995, Serge Babkin.  
(C) 2002 Samuel Chessman  
Copyright (C) 2010 Shao Miller <shao.miller@yrdsb.edu.on.ca>.  
Copyright 1993 United States Government as represented by the Director, National Security Agency.[ pcnet32.c ]  
Copyright (C) 2004, 2005 Stephen Hemminger <shemminger@osdl.org>  
Copyright (c) 2006 - 2013, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2015 - 2017, Intel Corporation. All rights reserved.<BR>  
are Copyright (C) 1999 David A. Hinds. All Rights Reserved.  
Copyright (C) 2004 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (c) 2010-2011 Atheros Communications, Inc.  
Copyright 2005-2006 Fen Systems Ltd.  
Copyright (c) 2003-2004, K A Fraser.  
Copyright (C) 2010 Stefan Hajnoczi <stefanha@gmail.com>.  
Copyright(c) 1999 - 2005 Intel Corporation. All rights reserved.  
Copyright (C) 2000 Shusuke Nisiyama <shu@athena.qe.eng.hokudai.ac.jp> etherboot-5.0.5 3c595.c  
Copyright (C) 2004 Andrew de Quincey (wol support)  
Copyright (c) 2008, 2009 QLogic Corporation. All rights reserved.  
Copyright (c) 2006-2007 Nick Kossifidis <mickflemm@gmail.com>  
Copyright (c) 2002 Jaroslav Kysela <perex@suse.cz> ISA Plug & Play support Linux Kernel  
Copyright (c) 2007-2008 Pavel Roskin <proski@gnu.org>  
Copyright 2006-2017 Solarflare Communications Inc.  
Copyright (c) 2006 - 2017, Intel Corporation. All rights reserved.<BR>  
source code, Copyright (c) 2004, 2005 Broadcom Corporation.  
Copyright 2001,2002 Jeff Garzik <jgarzik@mandrakesoft.com> [ 8139cp.c,tg3.c ]  
Copyright (c) 2011 - 2014, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2006-2009 Nick Kossifidis <mickflemm@gmail.com>  
Copyright (c) 2006 - 2008, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 1991, 1992 Linus Torvalds  
Copyright (c) 2011 Atheros Communications Inc.  
Copyright (c) 2007, 2008 QLogic Corporation. All rights reserved.  
Portions copyright (c) 2011 - 2016, ARM Ltd. All rights reserved.<BR>  
Copyright (C) 2008 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 2010 VMware, Inc. All Rights Reserved.  
Copyright (C) 1997 Sten Wang  
Copyright 2007 Andrea Merello <andreamrl@tiscali.it>  
(C) 1997-1998 Caldera, Inc.  
Copyright (C) 2008 Stefan Hajnoczi <stefanha@gmail.com>.  
Copyright (C) 2009 Joshua Oreman <oremanj@rwcr.net>.  
Mark Williamson, (C) 2004 Intel Research Cambridge  
Copyright (C) 1999 Steve Smith etherboot-5.0.5 3c90x.c  
Copyright (C) 2000 MIPS Technologies, Inc. All rights reserved.  
Copyright 2004-2005 Andrea Merello <andreamrl@tiscali.it>, et al.  
Copyright (C) 2010 Piotr Jaroszyński <p.jaroszynski@gmail.com>  
Ltd. Portions may be Copyright (c) Mellanox Technologies Ltd.  
Copyright (C) 2014 Red Hat Inc.  
Copyright (c) 2014 Hewlett-Packard Development Company, L.P.<BR>  
Copyright (C) 2014 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (c) 2004,2005,2006,2007,2008,2009 NVIDIA Corporation  
Copyright(c) 2010 Eric Keller <ekeller@princeton.edu>  
Copyright (c) 2015, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 1993-1994, David Greenman, Martin Renters.  
Portions copyright (c) 2008 - 2009, Apple Inc. All rights reserved.<BR>  
Copyright (C) 2005 Rusty Russell IBM Corporation  
Copyright (c) 2011, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 2010 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) AW Computer Systems.  
Copyright (c) a lot of people too. Please respect their work.  
(C)Copyright 1997-1998 DAVICOM Semiconductor,Inc. All Rights Reserved.  
Copyright (C) 2015 Michael Brown <mbrown@fensystems.co.uk>.  
Portions copyright (c) 2011 - 2013, ARM Ltd. All rights reserved.<BR>  
Copyright (c) 2004-2008 Reyk Floeter <reyk@openbsd.org>  
Copyright (c) 2004, K A Fraser  
(C) 1998 James Banks  
Copyright (c) 1994 Herb Peyerl <hpeyerl@novatel.ca>  
Copyright 2010 Guo-Fu Tseng <cooldavid@cooldavid.org>  
Copyright (C) 2015 Mellanox Technologies Ltd.  
Copyright (C) 2005 Liu Tao <liutao1980@gmail.com> [etherboot port]  
Copyright (c) 2004, 2005, 2006 Broadcom Corporation  
Copyright 1995 Digital Equipment Corporation.  
Copyright (C) 2001 Entity Cyber, Inc.  
Copyright (C) 1996-2002 Markus Franz Xaver Johannes Oberhumer And is distributed under the terms of the GPL.  
Copyright (C) 2008 NetXen, Inc.  
Copyright (c) 2005, Nguyen Anh Quynh <aquynh@gmail.com>  
Copyright (c) 2006-2008 Nick Kossifidis <mickflemm@gmail.com>  
Copyright(c) 2010 Red Hat Inc.  
Copyright (C) 2012 Patrick Plenefisch <phplenefisch@wpi.edu>.  
Copyright(c) 2002-2010 Neterion Inc.  
Copyright (C) 2005 Stephen Hemminger <shemminger@osdl.org>  
Copyright (C) 2001 P.J.H.Fox (fox@roestock.demon.co.uk)  
Copyright (C) 2012 Adrian Jamróz <adrian.jamroz@gmail.com>  
Copyright (c) Pekka Pietikainen <pp@ee.oulu.fi>  
Copyright (c) 2003-2004, Keir Fraser  
Copyright (c) 2003, 2004, 2005 Francois Romieu <romieu@fr.zoreil.com>  
Copyright (c) 2010-2011 Atheros Communications Inc.  
(C) Copyright 2015 Hewlett Packard Enterprise Development LP<BR>  
Copyright Level 5 Networks Inc. 2005  
Copyright (C) 2004 Tobias Lorenz  
Copyright (C) 2019 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright 1994 David C. Davies and United States Government (as represented by the Director, National Security Agency).  
Copyright (C) 2006 Broadcom Corporation.  
Copyright (C) 2013 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 2002 Timothy Legge <tlegge@rogers.com>  
Copyright (C) 2001, 2002 David S. Miller (davem@redhat.com)[ tg3.c]  
Copyright (c) 2008-2009 Atheros Communications Inc.  
Copyright (C) 2004 Sun Microsystems Inc.  
Copyright (C) 2009 Entity Cyber, Inc.  
Copyright (C) 2017 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (c) 2007-2008 Matthew W. S. Bell <mentor@madwifi.org>  
Copyright 2007 Michael Wu <flamingice@sourmilk.net>  
Copyright (C) 2005-2011 Broadcom Corporation.  
Copyright (C) 2013 Marin Hannache <ipxe@mareo.fr>.  
Copyright (C) 2005 XenSource Ltd.  
Based on VESA framebuffer (c) 1998 Gerd Knorr <kraxel@goldbach.in-berlin.de>  
(C) Copyright 2016 Hewlett Packard Enterprise Development LP<BR>  
Copyright (c) 2006, Keir Fraser <keir@xensource.com>  
Copyright (c) 2008-2009 Felix Fietkau <nbd@openwrt.org>  
Copyright (c) 2004-2009 Reyk Floeter <reyk@openbsd.org>  
Copyright (c) 2006 - 2016, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2008-2011 Atheros Communications Inc.  
(c) Copyright 2008 Bull S.A.S.  
Copyright (c) 2009-2011 Atheros Communications Inc.  
Copyright (c) 2008 Stefan Hajnoczi <stefanha@gmail.com>  
Copyright (c) 2009 Tobias Doerffel <tobias.doerffel@gmail.com>  
Copyright (c) 2006 - 2014, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 1993-1995, Andres Vega Garcia.  
copyright (C) 2004 Anselm M. Hoffmeister <stockholm@users.sourceforge.net>.  
Copyright (c) 2005-2009 Michael Brown <mbrown@fensystems.co.uk>  
Copyright (C) 2014 Marin Hannache <ipxe@mareo.fr>.  
Copyright (C) 2003 Advanced Micro Devices  
Copyright (C) 2006 Nikhil Chandru Rao  
Copyright (c) 2009, Intel Corporation. All rights reserved.<BR>  
Copyright 2005-2010, Myricom, Inc.  
Copyright (C) 1997-2002 Donald Becker 3c515.c: A 3Com ISA EtherLink XL Corkscrew ethernet driver for linux.  
(C) Copyright 2015-2016 Hewlett Packard Enterprise Development LP<BR>  
Copyright (c) 2014 - 2015, Hewlett-Packard Development Company, L.P.<BR>  
Copyright (C) 2003,4,5 Manfred Spraul  
Copyright (C) 2016 David Decotigny <ddecotig@gmail.com>  
Copyright (C) 2000-2003 Broadcom Corporation.  
Copyright (c) 2013, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2007-2008 Jiri Slaby <jirislaby@gmail.com>  
Copyright (C) 2012 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 1999 AbsoluteValue Systems, Inc. All Rights Reserved.  
Copyright (c) 2013 - 2015, Intel Corporation. All rights reserved. <BR>  
Copyright (c) 2007 Jiri Slaby <jirislaby@gmail.com>  
Copyright (C) 2016 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (c) 2006, Christian Limpach  
Copyright (c) 2005, Keir Fraser <keir@xensource.com>  
Copyright (c) 2007-2008 Michael Taylor <mike.taylor@apprion.com>  
Copyright (c) 2008 Pantelis Koukousoulas <pktoss@gmail.com>  
Copyright (c) 2002 David S. Miller <davem@redhat.com>  
Copyright (C) 2004 Carl-Daniel Hailfinger (invalid MAC handling, insane IRQ rate fixes, bigendian fixes, cleanups, verification)  
Copyright (C) 2009 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 2007 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 1996, 1999, 2001 David S. Miller (davem@redhat.com)  
Copyright (C) 2018 Sylvie Barlow <sylvie.c.barlow@gmail.com>.  
Copyright (c) 2009 - 2013, Intel Corporation. All rights reserved.<BR>  
Copyright IBM Corp. 2007 Authors: Anthony Liguori <aliguori@us.ibm.com>  
Copyright (c) 2004-2007 Reyk Floeter <reyk@openbsd.org>  
Copyright (C) 1999 Steve Smith  
Copyright (c) 2007 - 2014, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 2004 Advanced Micro Devices  
Copyright 2011 (C) Citrix Systems  
Copyright (c) 2009 Joshua Oreman <oremanj@rwcr.net>.  
Copyright (c) 2006 - 2010, Intel Corporation. All rights reserved.<BR>  
Copyright 1996-1999 Thomas Bogendoerfer [ pcnet32.c ]  
Copyright (c) 2015, Cavium Inc.  
Copyright (c) 2004 Mellanox Technologies Ltd. All rights reserved.  
Copyright (c) 2010 Bruno Randolf <br1@einfach.org>  
Copyright (C) 2001, 2002, 2003 Jeff Garzik (jgarzik@pobox.com)  
Copyright 1999 Ben Pfaff <pfaffben@debian.org> and Petr Vandrovec <VANDROVE@vc.cvut.cz>  
Copyright (c) 2009 Nick Kossifidis <mickflemm@gmail.com>  
Copyright (c) 2003 K.M. Liu <kmliu@sis.com>  
Copyright (c) 2006 - 2009, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 2000-2010 Julian Seward. All rights reserved.  
Copyright (c) 2010 - 2011, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2004-2007, K A Fraser  
Copyright (C) 2007-2011 Broadcom Corporation.  
Copyright (c) 2006 - 2012, Intel Corporation. All rights reserved.<BR>  
Copyright (c) 2004 - 2010, Intel Corporation. All rights reserved.<BR>  
Copyright 2012-2017 Solarflare Communications Inc.  
Copyright (C) 2001, 2002, 2003, 2004 David S. Miller (davem@redhat.com)  
Copyright (c) 1999 LightSys Technology Services, Inc.  
Copyright Rusty Russell IBM Corporation 2007  
Copyright (c) 2006 - 2015, Intel Corporation. All rights reserved.<BR>  
Copyright (C) 2001 P.J.H.Fox (fox@roestock.demon.co.uk) ISAPNP Tools  
Copyright(c) 2009 Intel Corporation.  
Copyright(c) 2007 xiong huang <xiong.huang@atheros.com>  
Copyright Solarflare Communications Inc. 2013-2017  
Copyright (c) 2002-2005 Sam Leffler, Errno Consulting  
Copyright (C) 2000 Shusuke Nisiyama <shu@athena.qe.eng.hokudai.ac.jp>  
Copyright Fen Systems Ltd. 2005  
Copyright (c) 2003, 2004 Jeff Garzik <jgarzik@pobox.com>  
Copyright (C) 2008 Mellanox Technologies Ltd.  
Copyright (c) 1999 Steve Smith  
Copyright (c) 2004-2006, K A Fraser  
Copyright (c) 2004-2005 Atheros Communications, Inc.  
Copyright (c) 2002-2007 Sam Leffler, Errno Consulting All rights reserved.  
Copyright 2005 Andrea Merello <andreamrl@tiscali.it>, et al.  
Copyright (C) 2006 Michael Brown <mbrown@fensystems.co.uk>.  
Copyright (C) 1989, 1991 Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.  
Copyright (c) Michael Buesch  
Copyright (C) 2008 Daniel Verkamp <daniel@drv.nu>.  
Copyright (C) 2013-2015 Mellanox Technologies Ltd.  
Copyright(c) 2007 Atheros Corporation. All rights reserved.  
Copyright Fen Systems Ltd. 2007. Portions of this code are derived from IBM Corporation Sample Programs. Copyright IBM Corporation 2004, 2007. All rights reserved.

**License:** GPLv2 with additional permissions and BSD

BSD Zero Clause License  
Copyright (C) 2006 by Rob Landley <rob@landley.net>  
  
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.  
  
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.

**Written Offer**

This product contains software whose rights holders license it on the terms of the GNU General Public License, version 2 (GPLv2) and/or other open source software licenses. We will provide you and any third party with the source code of the software licensed under an open source software license if you send us a written request by mail or email to the following addresses:

foss@huawei.com

detailing the name of the product and the firmware version for which you need the source code and indicating how we can contact you.

Please note you need to make a payment before you obtain the complete Corresponding Source Code from us. For how much you will pay and how we will deliver the complete Corresponding Source Code to you, we will further discuss it by mail or email.

This offer is valid to anyone in receipt of this information.

**This offer is valid for three years from the moment we distributed the product or firmware .**