**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: optipng 0.7.7

**Copyright notice:**

Copyright (c) 2006-11-28 Charles Poynton, in section 9:  
Copyright (c) 1996-1997 Andreas Dilger PNGSTRINGNEWLINE \  
Copyright (c) 1996 L. Peter Deutsch and Jean-Loup Gailly  
Copyright (c) 2015,2016 John Cunningham Bowler  
Copyright (c) 2016 Glenn Randers-Pehrson Written by Mandar Sahastrabuddhe, August 2016.  
Copyright (c) 1996-1997 Andreas Dilger  
Copyright (C) 2016 Glenn Randers-Pehrson Written by Roger Leigh, 2016  
Copyright (C) 2003 Mark Adler For conditions of distribution and use   
Copyright (C) 1995-2016 Mark Adler For conditions of distribution and use   
Copyright (c) 2013,2016 John Cunningham Bowler  
Copyright (C) 2003-2017 Cosmin Truta and the Contributing Authors.  
Copyright 1998-2007, Glenn Randers-Pehrson  
Copyright (C) 1995-2008 Mark Adler For conditions of distribution and use   
Copyright (c) 2013 John Cunningham Bowler  
Copyright (c) 1998-2010, 2014-2015, 2017 Greg Roelofs. All rights reserved.  
Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2002-2013 Mark Adler For conditions of distribution and use  
Copyright (C) 2004, 2010 Mark Adler For conditions of distribution and use   
Copyright (C) 1995-2003 by Jean-loup Gailly.  
Copyright 1990 - 1994, David Koblas. (koblas@netcom.com)  
Copyright (c) 2000-2008 Adam M. Costello and Cosmin Truta.  
Copyright (c) Willem van Schaik, 1999, 2011, 2012 Two images (ftbbn0g01.png and Copyright Glenn Randers-Pehrson, 2012  
Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson  
Copyright (c) 1998-2002,2004,2006-2017 Glenn Randers-Pehrson  
Copyright (c) 2009, 2010-2013 Glenn Randers-Pehrson  
Copyright (C) 2004, 2008, 2012, 2016 Mark Adler  
Copyright (c) 2016-2017 Glenn Randers-Pehrson Written by Mike Klein and Matt Sarett  
Copyright (C) 1995-2003 Jean-loup Gailly and Mark Adler.  
Copyright (c) 1995, 1996 Frank J. T. Wojcik December 18, 1995 & January 20, 1996  
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.;  
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright 2015 Glenn Randers-Pehrson Last changed in libpng 1.6.18 [July 23, 2015]  
Copyright 2016 Google Inc.  
Copyright (C) 2003-2016 Cosmin Truta and the Contributing Authors.  
Copyright (c) 1996-1997 Andreas Dilger  
Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1998-2002,2004,2006-2013 Glenn Randers-Pehrson  
Copyright (C) 2001-2017 Cosmin Truta.  
Copyright (c) 1998-2002,2004,2006-2016 Glenn Randers-Pehrson  
Copyright (C) 2007-2008 Even Rouault  
Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly   
Copyright (c) 1998-2002,2004,2006-2017 Glenn Randers-Pehrson   
Copyright (c) 1998-2002,2004,2006-2014,2016 Glenn Randers-Pehrson  
Copyright (C) 2008 Vincent Torri  
Copyright (c) 1998-2015 Greg Roelofs. All rights reserved.  
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved version 2.2, 14 Aug 2012  
Copyright (c) 2013-2017 John Cunningham Bowler  
Copyright 1995-2017 Mark Adler ;  
Copyright (C) 1989, 1991 Free Software Foundation, Inc.  
Copyright (C) 2003-2014 Cosmin Truta.  
Copyright (c) 1995, 1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright (c) 2010,2013,2015 Glenn Randers-Pehrson  
Copyright (c) 2016-2017 Glenn Randers-Pehrson Written by Mike Klein and Matt Sarett, Google, Inc.  
Copyright (c) 1998-2007 Greg Roelofs. All rights reserved.  
Copyright (C) 2011, 2016 Mark Adler For conditions of distribution and use   
Copyright (C) 2003, 2012 Mark Adler, all rights reserved version 1.2, 11 Oct 2012  
Copyright (c) 2016 Glenn Randers-Pehrson Written by Mandar Sahastrabuddhe, 2016.  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly For conditions of distribution and use   
copyright (C) 1999,2015,2017 by Willem van Schaik <willem at schaik.com>  
Copyright (c) 2014 Glenn Randers-Pehrson Written by John Bowler, 2014.  
Copyright (c) 1998-2008 Greg Roelofs. All rights reserved.  
Copyright (c) 2000-2002, 2004, 2006-2017 Glenn Randers-Pehrson  
Copyright (c) 2013-2014 Glenn Randers-Pehrson  
Copyright (C) 1996, 1997 Andreas Dilger  
Copyright (c) 2004, 2005 Mark Adler.  
Copyright (C) 1995-2017 Jean-loup Gailly   
Copyright (c) 2014,2016 Glenn Randers-Pehrson Written by Mans Rullgard, 2011.  
Copyright 1995-2017 Jean-loup Gailly and Mark Adler   
Copyright (c) 2014,2016 Glenn Randers-Pehrson  
Copyright (c) 2007, 2010-2013 Glenn Randers-Pehrson  
Copyright 1998-2004 Gilles Vollant - http:www.winimage.com/zLibDll;  
Copyright (C) 2002-2008 Cosmin Truta.  
Copyright (C) 1998,1999,2000 by Jacques Nomssi Nzali.  
Copyright (C) 2004-2017 Mark Adler For conditions of distribution and use   
Copyright (C) 1999-2002, 2006, 2010-2014 Glenn Randers-Pehrson  
Copyright (c) 2014 Glenn Randers-Pehrson Written by Mans Rullgard, 2011.  
Copyright (c) 2016 John Cunningham Bowler  
Copyright (c) 1998-2007,2017 Greg Roelofs. All rights reserved.  
Copyright (c) 1998-2000 Glenn Randers-Pehrson  
Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h Version 1.7 12 August 2012 Mark Adler /  
Copyright (C) 1995-2011, 2016 Mark Adler For conditions of distribution and use   
Copyright (C) 2003-2012 Cosmin Truta.  
Copyright (C) 1995-2017 Jean-loup Gailly For conditions of distribution and use   
Copyright 2000, Willem van Schaik.  
Copyright (C) 2008-2017 Cosmin Truta.  
Copyright (c) 2015,2017 Glenn Randers-Pehrson Written by John Cunningham Bowler  
Copyright (C) 2003, 2012, 2013 Mark Adler For conditions of distribution and use  
Copyright (C) 1998 by Bob Dellaca.  
Copyright 1998-2004 Gilles Vollant - http:www.winimage.com/zLibDll;  
Copyright (c) 2004 by Henrik Ravn  
Copyright (c) 2015 John Cunningham Bowler  
Copyright (C) 2003, 2012, 2013 Mark Adler version 1.3, 24 Aug 2013  
Copyright (C) 1998-2005 Gilles Vollant  
Copyright (C) 2003-2017 Cosmin Truta.  
Copyright (C) 2003-2010 Mark Adler  
Copyright (c) 1998-2002,2004,2006-2017 Glenn Randers-Pehrson  
Copyright (C) 1998-2010 Gilles Vollant (minizip)   
Copyright 2015 The Chromium Authors. All rights reserved.  
Copyright (c) 2011-2014 Glenn Randers-Pehrson  
Copyright (C) 1995 Guy Eric Schalnat, Group 42  
Copyright (c) 1996, 1997 Andreas Dilger  
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler  
Copyright (c) 1998-2008, 2017 Greg Roelofs. All rights reserved.  
Copyright (c) Henrik Ravn 2004  
Copyright (C) 2009-2010 Mathias Svensson ( http:result42.com )  
Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson  
Copyright (c) 2004, 2005 by Mark Adler<br>Last modified 11 December 2005  
Copyright (C) 2005, 2012 Mark Adler For conditions of distribution and use  
Copyright (C) 1995-2016 Jean-loup Gailly For conditions of distribution and use   
Copyright (c) 2017 Glenn Randers-Pehrson  
Copyright (C) 2002, 2006-2008, 2010-2014 Glenn Randers-Pehrson  
Copyright (C) 1995-2003 Mark Adler For conditions of distribution and use   
Copyright (c) 2011-2013 John Cunningham Bowler  
Copyright (C) 2003, 2012 Mark Adler  
Copyright (C) 1995-2005, 2010 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.  
Copyright (c) 2017 Glenn Randers-Pehrson Written by Vadim Barkov, 2017.  
Copyright (C) 2001-2017 Cosmin Truta and the Contributing Authors.  
Copyright 2017 Glenn Randers-Pehrson  
Copyright (C) 1995-2003, 2010 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 2003 Chris Anderson <christop@charm.net>  
Copyright (C) 2001-2017 Cosmin Truta and the Contributing Authors  
Copyright (C) 2006-2012 Cosmin Truta.  
Copyright (c) 1997 Christian Michelsen Research AS Advanced Computing Fantoftvegen 38  
Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
Copyright (C) 1998, 1999 Greg Roelofs  
Copyright (c) 1998-2007, 2017 Greg Roelofs. All rights reserved.  
Copyright (C) 2004 Simon-Pierre Cadieux.  
Copyright (c) 1996 L. Peter Deutsch  
Copyright 1995-2017 Mark Adler ;  
Copyright 2000,2017 Willem van Schaik.  
Copyright (C) 2004 Cosmin Truta.  
Copyright (c) 1995-1996 Guy Eric Schalnat, Group 42, Inc.   
Copyright (C) 2006-2011 Cosmin Truta.  
Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved version 1.2, 14 Aug 2012  
Copyright (C) 2001, Laurent faillie  
Copyright (c) 1998-2017 Glenn Randers-Pehrson  
Copyright (C) 1995-2017 Mark Adler For conditions of distribution and use,   
Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler For conditions of distribution and use, see copyright notice in zlib.h  
copyright Willem van Schaik, 1999)  
Copyright © Henrik Ravn 2004  
Copyright (c) 2014, 2017 Glenn Randers-Pehrson Written by John Bowler, 2014, 2017.  
Copyright (c) 1990-2000 Info-ZIP. All rights reserved.  
Copyright (C) 1999-2002, 2006, 2009, 2010-2014 Glenn Randers-Pehrson  
Copyright (C) 2007,2009-2017 Glenn Randers-Pehrson Written by Christian Ehrlicher, 2007 Revised by Roger Lowman, 2009-2010 Revised by Clifford Yapp, 2011-2012 Revised by Roger Leigh, 2016 Revised by Andreas Franek, 2016  
Copyright (C) 1995-2017 Jean-Loup Gailly   
Copyright (C) 2003 by Cosmin Truta.  
Copyright (C) 2007, 2008, 2012 Mark Adler Version 1.4 18 August 2012 Mark Adler  
Copyright (C) 2003-2011 Cosmin Truta.  
Copyright (c) 2014-2017 John Cunningham Bowler  
copyright (C) 1999,2017 by Willem van Schaik <willem at schaik.com>  
Copyright (C) 2002-2013 Mark Adler, all rights reserved version 2.3, 21 Jan 2013  
Copyright (c) 1996, 1997 Andreas Dilger  
Copyright (C) 2006-2017 Cosmin Truta.  
Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler For conditions of distribution and use, see copyright notice in zlib.h

**License:** zlib

zlib License  
  
Copyright (c) <year> <copyright holders>  
  
This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.  
  
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.