

## SmartNetcommunity $\alpha$ ZX II 主装置 (typeS/typeM)

# オープンソースソフトウェアのライセンスについて

## 1. 概要

$\alpha$ ZX II 主装置 (typeS/typeM) に使用されているソフトウェアモジュールにはオープンソースソフトウェアが含まれております。 $\alpha$ ZX II 主装置 (typeS/typeM) には当該オープンソースソフトウェアを下記のライセンス条件に従って利用しています。

ソースコードの内容等についてのご質問にはお答えいたしかねますので、予めご了承ください。

## 2. ライセンス条件 (BSD)

以下の【表1：ソフトウェアライセンス利用モジュール名一覧】にあるモジュールに関しては、各ソフトウェアライセンス条件に従って利用しております。

【表1：ソフトウェアライセンス利用モジュール名一覧】

対象ソフトウェアモジュール名	
<a href="#">grp.h</a>	<a href="#">trmd4.c</a>
<a href="#">HWLib (SoC EDS v18.1)</a>	<a href="#">trmd5.c</a>
<a href="#">libzip2 v1.0.8</a>	<a href="#">tropnssl.h</a>
<a href="#">libtar v1.2.20</a>	<a href="#">trqsort.c</a>
<a href="#">libzip v1.5.2</a>	<a href="#">trrc2.c</a>
<a href="#">pwd.h</a>	<a href="#">trrmd160.c</a>
<a href="#">SPTK.h</a>	<a href="#">trrsa.c</a>
<a href="#">trarcfor.c</a>	<a href="#">trsha1.c</a>
<a href="#">trbignu2.c</a>	<a href="#">trsha2.c</a>
<a href="#">trbignum.c</a>	<a href="#">trsocket.h</a>
<a href="#">trblwfsh.c</a>	<a href="#">trsprnf.c</a>
<a href="#">trcast.c</a>	<a href="#">trsscanf.c</a>
<a href="#">trcrymap.h</a>	<a href="#">trstrtox.c</a>
<a href="#">trdes.c</a>	<a href="#">trtwofsh.c</a>
<a href="#">trdhgrp.c</a>	<a href="#">trvscanf.c</a>
<a href="#">trdsa.c</a>	<a href="#">trvsprnf.c</a>
<a href="#">trespcor.c</a>	<a href="#">zlib</a>
<a href="#">trmd2.c</a>	

## grp.h

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## HWLib (SoC EDS v18.1)

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Julian Seward, [jseward@acm.org](mailto:jseward@acm.org)

bzip2/libbzip2 version 1.0.8 of 13 July 2019

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## libtar v1.2.20

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## SPTK.h

The Speech Signal Processing Toolkit (SPTK) developed by SPTK Working Group  
<http://sp-tk.sourceforge.net/>

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## trarcfor.c

This code illustrates a sample implementation of the Arcfour algorithm

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draft-kaukonen-cipher-arcfour-03.txt

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Modified from OPENSSL crypto/bn/bn\_\*.c and crypto/dh/dh\_\*.c

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trblwfsh.c

\$KAME: bf\_enc.c, v 1.5 2000/09/18 21:21:19 itojun Exp \$ crypto/bf/bf\_enc.c

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**trcast.c**

\$KAME: cast128.c, v 1.4 2000/11/06 13:58:08 itojun Exp \$  
heavily modified by Tomomi Suzuki <suzuki@grelot.elec.ryukoku.ac.jp>

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\$KAME: crypto\_openssl.c, eaytest.c v 1.70 2001/09/11 14:21:12 sakane Exp \$

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\$KAME: esp\_core.c, v 1.50 2000/11/02 12:27:38 itojun Exp \$

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crypto/md2/md2\_dgst.c

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### A.3 md4c.c

MD4C.C - RSA Data Security, Inc., MD4 message-digest algorithm

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Modified from OPENSSL crypto/bn/bn\_\*.c and crypto/dh/dh\_\*.c

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\$KAME: crypto\_openssl.c, eaytest.c v 1.70 2001/09/11 14:21:12 sakane Exp \$

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trrmd160.c

\$OpenBSD: rmd160.c, v 1.3 2001/09/26 21:40:13 markus Exp \$

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Preneel, Bosselaers, Dobbertin, "The Cryptographic Hash Function RIPEMD-160", RSA Laboratories, CryptoBytes, Volume 3, Number 2, Autumn 1997,  
<ftp://ftp.rsasecurity.com/pub/cryptobytes/crypto3n2.pdf>

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trsha1.c

\$KAME: sha1.c, v 1.5 2000/11/08 06:13:08 itojun Exp \$

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FIPS pub 180-1: Secure Hash Algorithm (SHA-1) based on: <http://csrc.nist.gov/fips/fip180-1.txt>  
implemented by Jun-ichiro itojun Itoh <itojun@itojun.org>

sha1.c : Implementation of the Secure Hash Algorithm SHA: NIST's Secure Hash Algorithm  
This version written November 2000 by David Ireland of DI Management Services Pty Limited  
<code@di-mgt.com.au>

Adapted from code in the Python Cryptography Toolkit, version 1.0.0 by A. M. Kuchling 1995.

AM Kuchling's posting:-

Based on SHA code originally posted to sci.crypt by Peter Gutmann in message  
<30ajo5\$oe8@ccu2.auckland.ac.nz>.

---

The original specification of SHA was found to have a weakness by NSA/NIST. This code implements the fixed version of SHA.

Here's the first paragraph of Peter Gutmann's posting:

The following is my SHA (FIPS 180) code updated to allow use of the "fixed" SHA, thanks to Jim Gillogly and an anonymous contributor for the information on what's changed in the new version. The fix is a simple change which involves adding a single rotate in the initial expansion function. It is unknown whether this is an optimal solution to the problem which was discovered in the SHA or whether it's simply a bandaid which fixes the problem with a minimum of effort (for example the reengineering of a great many Capstone chips).

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trsha2.c

\$KAME: sha1.c, v 1.5 2000/11/08 06:13:08 itojun Exp \$

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FIPS pub 180-2: Secure Hash Standard

based on: <http://csrc.nist.gov/publications/fips/fips180-2/fips180-2.pdf>

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## trsocket.h

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## zlib

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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