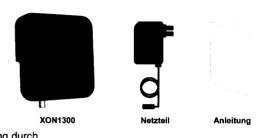


# 1. Packungsinhalt

Die Ethernet Switch XON1300.S(C) dient als Endteilnehmerzugang in FTTH-Netzwerken. Er terminiert die optischen Daten und TV Signale und wandelt diese in elektrische Signale um. Diese Installationsanleitung zeigt Ihnen, wie sie den XON1300.S(C) in die bereits installierte Wandhalterung XON30.W mechanisch verbauen und anschließend in Betrieb nehmen. Um Probleme zu vermeiden, lesen Sie bitte die gesamte Installationsanleitung durch.



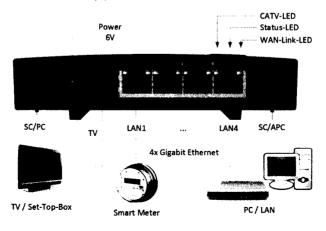
# 2. Installation und Beschreibung

# a) Montagehinweise

Bei der Installation sind folgende Punkte zu beachten:

- Der XON1300.S(C) darf nur in dem dafür vorgesehenen Wandgehäuse XON30.W verbaut und mit dem beiliegenden Netzteil betrieben werden.
- Fassen Sie unter keinen Umständen auf die Stirnflächen der optischen Steckverbinder und Kupplungen.
- Schützen Sie den XON1300.S(C) vor Feuchtigkeit und Wasser.

# b) Anschlussübersicht XON1300.S(C)

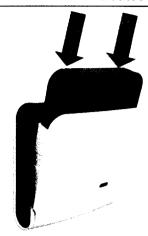




## c) Installation

Die Installation erfolgt in drei Schritten. Halten Sie bitte in jedem Fall die Reihenfolge der Installationsschritte ein.

- Öffnen Sie die Klappe des Wandgehäuses XON30.W und ziehen Sie die beiden roten Dreiecke heraus.
- Entfernen Sie nun die beiden Schutzkappen der SC/PC und SC/APC Buchsen auf der Rückseite des XON1300.
- 3. Führen Sie nun den XON1300 in die aufgeklappte Wandhalterung. Achten Sie darauf, dass die Anschlüsse nach unten zeigen und die Führungsschienen nach hinten. Drücken Sie den XON1300 vorsichtig an den oberen beiden Ecken in die Wandhalterung, bis Sie das Einrasten der beiden optischen Steckverbinder hören. Klappen Sie zuletzt das Wandgehäuse zu.



Nachdem Sie das Netzteil mit dem XON1300 verbunden haben, startet das Gerät. Die Geräte benötigen eine kurze Startphase.

# d) LED Bezeichnung

		Startphase	An.
CATV-LED	Betriebszustand	An/Aus, je nach Konfiguration des Providers.	
		Störung	Blinkend, bitte kontaktieren Sie Ihren Provider.
▲ Status-LED	Status-LED	Startphase	Zeitweise blinkend.
		Betriebszustand	An.
	Störung	Blinkend, bitte kontaktieren Sie Ihren Provider.	
	WAN-Link-LED	Startphase	Aus.
	WAN-LIIK-LED	Betriebszustand	An/Aus, abhängig vom optischen Link-Status.

# 3. Reinigungshinweis

Verwenden Sie zur Reinigung des XON1300.S(C) und des XON30.W ausschließlich lösungsmittelfreie Substanzen.

# 4. Unterstützung / Support

Sollten Sie Fragen zur Installation haben, wenden Sie sich bitte an Ihren Provider.

Änderungen vorbehalten!

The software included in this product contains copyrighted software that is licensed under a license requiring us to provide the source code of that software, such as the GNU General Public License (GPL) 2.0 and the GNU Lesser General Public License (LGPL) 2.1. A copy of these licenses is included in this document. You may obtain the complete Corresponding Source code for such copyrighted software from us for a period of three years for a charge no more than the cost of physically performing source distribution, on a medium customarily used

To receive such source code please contact BKtel communications GmbH as follows:

BKtel communications GmbH Open Source Devices Benzstraße 4

41836 Hückelhoven Germany oss.request@bktel.com

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

Applications License and Copyright

No.	Component	License	Copyright notice
1.	boost	Boost Software	Boost Software License - Version 1.0 - August 17th,
		License 1.0	2003
2.	zlib	zlib license	Copyright (C) 1995-2017 Jean-loup Gailly and Mark
			Adler
3.	busybox	GPLv2	See GNU General Public License v2 license
4.	dhep	ISC [dhcp]	Copyright (c) 2004-2015 by Internet Systems
	-		Consortium, Inc. ("ISC")
			Copyright (c) 1995-2003 by Internet Software
			Consortium
5.	dnsmasq	GPLv2	See GNU General Public License v2 license
6.	dropbear	MIT	Copyright (c) 2002-2015 Matt Johnston
	1		Portions copyright (c) 2004 Mihnea Stoenescu
			All rights reserved.
			PuTTY is copyright 1997-2003 Simon Tatham.
1			Portions copyright Robert de Bath, Joris van Rantwijk,
			Delian Delchev, Andreas Schultz, Jeroen Massar, Wez
		Į.	Furlong, Nicolas Barry, Justin Bradford, and CORE SDI
			S.A.
		BSD-2-Clause	Copyright (c) 2000 Andre Lucas. All rights reserved.
			Portions copyright (c) 1998 Todd C. Miller
	!		Portions copyright (c) 1996 Jason Downs
			Portions copyright (c) 1996 Theo de Raadt
		BSD-3-Clause	Copyright 2008, Google Inc. All rights reserved.
7.	easycwmp	GPLv2	See GNU General Public License v2 license
8.	json-c	MIT	Copyright (c) 2009-2012 Eric Haszlakiewicz
			Copyright (c) 2004, 2005 Metaparadigm Pte Ltd
9.	libeurl	ISC [libcurl]	Copyright (c) 1996 - 2018, Daniel Stenberg,
1		1	daniel@haxx.se, and many contributors, see the
			THANKS file. All rights reserved.

No.	Component	License	Copyright notice
			Cambridge Broadband Ltd. All rights reserved.
			Copyright © 2003 Sun Microsystems, Inc., 4150
			Network Circle, Santa Clara, California 95054, U.S.A.
			All rights reserved.
			Copyright (c) 2003-2013, Sparta, Inc All rights reserved.
			Copyright (c) 2004, Cisco, Inc and Information Network
			Center of Beijing University of Posts and
			Telecommunications. All rights reserved.
			Copyright (c) Fabasoft R&D Software GmbH & Co KG,
		1	2003 oss@fabasoft.com Author: Bernhard Penz
			<pre><bernhard.penz@fabasoft.com></bernhard.penz@fabasoft.com></pre>
			Copyright (c) 2007 Apple Inc. All rights reserved.
		1	Copyright (c) 2009, ScienceLogic, LLC All rights
		1	reserved.
			Copyright (c) 2013 IETF Trust and the persons identified
			as authors of the code. All rights reserved.
21		NTP license	Copyright (c) University of Delaware 1992-2015
21.	ntp	BSD-2-Clause	Copyright (c) Network Time Foundation 2011-2015
22.	protobuf	BSD-3-Clause	Copyright 2008, Google Inc.All rights reserved.
23.	GNU libe	LGPLv2.1	See GNU Lesser General Public License v2.1 license
	GNU libe	LGPLv2.1	Copyright (C) 1992 Eric Young
	additional		Copyright (C) 2002, 2003, 2004, 2011 Simon Josefsson
	licensing		Copyright (C) 1999, 2000 Tom Tromey
	notices		Copyright 2000 Red Hat, Inc.
			Copyright 2001 by Stephen L. Moshier <moshier@na-< td=""></moshier@na-<>
			net.ornl.gov>
		BSD-3-Clause	Copyright (C) 1991 Regents of the University of
			California. All rights reserved.
			Copyright (c) 2010, Oracle America, Inc.
			Copyright (c) 2000, Intel Corporation
			Copyright (C) 1998 WIDE Project.All rights reserved.
		Extended ISC	Portions Copyright (C) 1993 by Digital Equipment
		[BIND]	Corporation.
		ISC	Portions Copyright (c) 1996-1999 by Internet Software
			Consortium.
		ISC [Mach	Copyright (C) 1991,1990,1989 Carnegie Mellon
		Operating System]	University
		' ' '	All Rights Reserved.
	1	ISC [Tom Lord]	Copyright 1995 by Tom Lord All Rights Reserved
	İ	The Inner Net	Copyright(C) by Craig Metz
	1	License, Version	
	1	2.00	
	1	posix/PCRE.tests	Copyright (c) 1997-2003 University of Cambridge
		license	Copyright (b) 1777 2005 Omitotolly of Cambridge
	1	libidn/punycode.c	Copyright (C) The Internet Society (2003). All Rights
	I	and	Reserved.
		libidn/punycode.h	ROSCI VOI.
		license	
			C
		Henry Spencer	Copyright 1992, 1993, 1994, 1997 Henry Spencer. All
	1	license	rights reserved. This software is not subject to any license
		1	of the American Telephone and Telegraph Company or
			of the Regents of the University of California.
	I	Sun fdlib license	Copyright (C) 1993 by Sun Microsystems, Inc. All rights
	1	1	reserved.

×.		BSD-2-Clause	Copyright (c) 1996 by Internet Software Consortium. Copyright (C) 2015 Jo-Philipp Wich Sow@openwrt.org> Copyright (C) 2010 Steven Barth Steven@midlink.org> Copyright (C) 2012 John Crispin Sologic@openwrt.org> Copyright (c) 2011 Felix Fietkau Sologic@openwrt.org> Copyright (c) 2010 Isilon Systems, Inc. Copyright (c) 2010 Isilon Systems, Inc. Copyright (c) 2010 Panasas, Inc. All rights reserved. Copyright (c) 2010 Henning Rogge Strogge@googlemail.com> Original OLSRd implementation by Hannes Gredler
		IBM License	<hannes@gredler.at> All rights reserved. Portions Copyright (c) 1995 by International Business</hannes@gredler.at>
			Machines, Inc.
13.	libuci	LGPLv2.1	See GNU Lesser General Public License v2.1 license
14.	ubus	LGPLv2.1	See GNU Lesser General Public License v2.1 license
15.	joe	GPLv2	See GNU General Public License v2 license
16.	libarchive	BSD-2-Clause	Copyright (c) 2003-2009 <author(s)> All rights reserved.</author(s)>
		BSD-3-Clause	Copyright (c) 1989, 1990, 1993 The Regents of the
			University of California. All rights reserved
17.	xz	LGPLv2.1	See GNU Lesser General Public License v2.1 license
		GPLv2	See GNU General Public License v2 license
18.	libevent	BSD-3-Clause	Copyright (c) 2000-2007 Niels Provos
			<pre><pre>cprovos@citi.umich.edu&gt;</pre></pre>
		1	Copyright (c) 2007-2010 Niels Provos and Nick
			Mathewson
			Copyright (c) 2000 Dug Song <dugsong@monkey.org></dugsong@monkey.org>
			Copyright (c) 1993 The Regents of the University of
			California.
			Copyright (c) 1998 Todd C. Miller
			<todd.miller@courtesan.com></todd.miller@courtesan.com>
			Copyright (c) 2007 Sun Microsystems
			Copyright (c) 2002 Christopher Clark
	l		Copyright (c) 2006 Maxim Yegorushkin
		O POP	<maxim.yegorushkin@gmail.com> Copyright (c) 1996, David Mazieres <dm@uun.org></dm@uun.org></maxim.yegorushkin@gmail.com>
	1	OpenBSD	
10	<del> </del>	CDI2	Copyright (c) 2008, Damien Miller <djm@openbsd.org> See GNU General Public License v2 license</djm@openbsd.org>
19.	mtd	GPLv2 BSD like	
20.	netsnmp	RSD like	Copyright 1989, 1991, 1992 by Carnegie Mellon
			University Derivative Work - 1996, 1998-2000
			Copyright 1996, 1998-2000 The Regents of the
			University of California
		BSD-3-Clause	Copyright (c) 2001-2003, Networks Associates
		BSD-3-Clause	
		1	Technology, Inc All rights reserved.
	ì	I	Portions of this code are copyright (c) 2001-2003,

No.	Component	License	Copyright notice
		stdio-common/tst- printf.c license	(C) Copyright C E Chew
24.	Linux kernel	GPLv2	See GNU General Public License v2 license
25.	Uboot	GPLv2	See GNU General Public License v2 license

# Acknowledgements

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Please be sure to follow the details of the underlying SSL license terms at http://www.openssl.org/.

### License Texts

# **BSD 2-Clause 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. Neither the name of Google Inc. 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 Licens (2)

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

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 the author 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.

# (3) GNU General Public License v2 GNU GENERAL PUBLIC LICENSE

Version 2, June 1991 Copyright (C) 1989, 1991 Free Software Foundation, Inc.

IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. 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

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

#### (9) ISC license [Mach Operating System]

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to

Software Distribution Coordinator

School of Computer Science

Carnegie Mellon University Pittsburgh PA 15213-3890

or Software.Distribution@CS.CMU.EDU any improvements or extensions that they make and grant Carnegie Mellon the rights to redistribute these changes.

### (10) ISC license [Tom Lord]

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 copyright notice and this permission notice appear in supporting documentation, and that the name of the copyright holder not be used in advertising or publicity pertaining to distribution of the software without specific, written prior

Tom Lord DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL TOM LORD 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.

### (11) Extended ISC license [BIND]

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, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION 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.

prior permission. The University of Delaware makes no representations about the suitability this software for any purpose. It is provided "as is" without express or implied warranty.

### OpenBSD

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

### (17) OpenSSL 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
- 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 acknowledgment:
- "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)"
- 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact opensslcore@openssl.org.
- 5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.
- 6. Redistributions of any form whatsoever must retain the following acknowledgment:
- "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED 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 OpenSSL PROJECT OR ITS 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.

# (18) Original SSLeay License

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package

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

whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English. The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK FORCE DISCLAIMS ALL WARRANTIES. EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

### (13)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.

### (14) MIT License with advertising clause

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, distribute with modifications, 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 ABOVE 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. Except as contained in this notice, the name(s) of the above copyright holders shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization.

### (15) NTP License

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

following conditions are met:

- 1. Redistributions of source code must retain the 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 cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related:
- 4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "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 licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.]

### (19) The Inner Net License, Version 2.00

The author(s) grant permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation provided that the following conditions are met:

- 0. If you receive a version of the software that is specifically labelled as not being for redistribution (check the version message and/or README), you are not permitted to redistribute that version of the software in any way or form.
- 1. All terms of the all other applicable copyrights and licenses must be followed.
- 2. Redistributions of source code must retain the authors' copyright notice(s), this list of conditions, and the following disclaimer
- 3. Redistributions in binary form must reproduce the authors' copyright notice(s), this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 4. [The copyright holder has authorized the removal of this clause.]
- 5. Neither the name(s) of the author(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 ITS AUTHORS AND CONTRIBUTORS "AS IS" AND

ANYEXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIEDWARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANYDIRECT, 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.

If these license terms cause you a real problem, contact the author.