

EX3600-T0 Generic

Firmware Release Note

V5.70(ACIF.2.1)C0

Date: Dec 19, 2025

Author: Jack Yeh

Reviewer:

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Revision History

Date	Release	Author	Description
2023/06/30	1.0	Frank Chang	FW release for V5.70(ACIF.0)b1
2023/08/21	2.0	Frank Chang	FW release for V5.70(ACIF.0)b2
2023/09/05	3.0	Frank Chang	FW release for V5.70(ACIF.0)b3
2023/09/08	4.0	Frank Chang	FW release for V5.70(ACIF.0)b4
2023/09/19	5.0	Frank Chang	FW release for V5.70(ACIF.0)b5
2023/10/11	6.0	Frank Chang	FW release for V5.70(ACIF.0)b6
2023/10/27	7.0	Frank Chang	FW release for V5.70(ACIF.0)b7
2023/11/03	8.0	Frank Chang	FW release for V5.70(ACIF.0)C0
2023/11/22	9.0	Frank Chang	FW release for V5.70(ACIF.0.1)b1
2023/11/24	10.0	Frank Chang	FW release for V5.70(ACIF.0.1)C0
2024/05/27	11.0	Frank Chang	FW release for V5.70(ACIF.0.2)b1
2024/05/28	12.0	Frank Chang	FW release for V5.70(ACIF.0.2)C0
2024/07/04	13.0	Frank Chang	FW release for V5.70(ACIF.0.3)b1
2024/07/10	14.0	Frank Chang	FW release for V5.70(ACIF.0.3)C0
2024/11/01	15.0	Jack Yeh	FW release for V5.70(ACIF.1)b2
2025/01/10	16.0	Jack Yeh	FW release for V5.70(ACIF.1)b3
2025/02/21	17.0	Jack Yeh	FW release for V5.70(ACIF.1)C0
2025/03/07	18.0	Jack Yeh	FW release for V5.70(ACIF.1.1)b1
2025/03/07	19.0	Jack Yeh	FW release for V5.70(ACIF.1.1)C0
2025/04/11	20.0	Jack Yeh	FW release for V5.70(ACIF.1.2)b1
2025/04/18	21.0	Jack Yeh	FW release for V5.70(ACIF.1.2)C0
2025/07/11	22.0	Jack Yeh	FW release for V5.70(ACIF.2)b2
2025/09/05	23.0	Jack Yeh	FW release for V5.70(ACIF.2)b3
2025/09/16	24.0	Jack Yeh	FW release for V5.70(ACIF.2)b4
2025/10/03	25.0	Jack Yeh	FW release for V5.70(ACIF.2)b5
2025/10/23	26.0	Jack Yeh	FW release for V5.70(ACIF.2)C0
2025/12/19	27.0	Jack Yeh	FW release for V5.70(ACIF.2.1)b1
2025/12/19	28.0	Jack Yeh	FW release for V5.70(ACIF.2.1)C0

EX3600-T0 Generic V5.70(ACIF.2.1)C0 Release Note

Date: Dec 19, 2025

Supported Platforms:

Zyxel EX3600-T0 Generic

Versions:

Bootbase version : V3.0 | 10/30/2024 14:46:12

Firmware version : V5.70(ACIF.2.1)C0

Kernel version: 5.4.171

WLAN code version: 7.6.2.5

3G WWAN package version: 1.27

Notes:

Public Domain Software Announcements

Open Source Used (3rd party software)	Version	From (Source)	Licensing Term	Modified / Used
alsa-lib	1.2.4	https://ftp.osuosl.org/pub/blfs/conglomeration/alsa-lib/alsa-lib-1.2.4.tar.bz2	LGPL-2.1-only	Used
alsa-ucm-conf	1.2.4	https://www.alsa-project.org/files/pub/lib/alsa-ucm-conf-1.2.4.tar.bz2	BSD-3-clause-clear	Used
alsa-utils	1.2.4	https://ftp.osuosl.org/pub/blfs/conglomeration/alsa-utils/alsa-utils-1.2.4.tar.bz2	GPL-2.0-only	Used
argp-standalone	1.3	http://sources.buildroot.net/argp-standalone/argp-standalone-1.3.tar.gz	LGPL-2.0-only	Used
atftp	0.8.0	https://sourceforge.net/projects/atftp/	GPL-2.0-only	Modified
attr	2.4.48	http://savannah.nongnu.org/projects/attr	GPL-2.0-only	Used
binutils	2.35.1	https://sourceware.org/pub/binutils/releases/	GPL-2.0-only	Used
bridge-utils	1.7	http://www.linuxfromscratch.org/blfs/view/svn/basicnet/bridge-utils.html	GPL-2.0-only	Modified
busybox	1.31.1	https://busybox.net/	GPL-2.0-only	Modified
bwm-ng	0.6.1	http://www.gropp.org/?id=projects&sub=bwm-ng	GPL-2.0-only	Modified
bzip2	1.0.8	http://sources.buildroot.net/bzip2/bzip2-1.0.8.tar.gz	BSD-3-clause	Modified

ca-certificates	20210119	http://ftp.debian.org/debian/pool/main/c/ca-certificates/ca-certificates_20210119.tar.xz	GPL-2.0-only	Used
c-ares	1.30.0	https://c-ares.haxx.se/download	GPL-2.0-only	Modified
cgi-io	2021-09-08-98cef9dd-20	https://firmware.download.immortalwrt.eu.org/package-sources/cgi-io-2021-09-08-98cef9dd.tar.xz	GPL-2.0-or-later	Used
clinkc	2.4	https://sourceforge.net/projects/clinkc/	BSD-3-clause	Modified
conntrack-tools	1.4.6	https://git.netfilter.org/conntrack-tools/	GPL-2.0-only	Used
curl	8.7.1	https://curl.askapache.com/download/	MIT	Modified
Berkeley DB	4.7.25.NC	https://src.fedoraproject.org/lookaside/extras/nss_db/db-4.7.25.NC.tar.gz/073ab7f20d24b3872a51ca762f5090e7/db-4.7.25.NC.tar.gz	Sleepycat	Modified
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPL-2.0-only	Modified
dropbear	2024.85	https://github.com/mkj/dropbear	MIT	Modified
ebtables	2018-06-27-48cff25d	https://git.netfilter.org/ebtables/	GPL-2.0-only	Modified
elfutils	0.18	https://fedorahosted.org/elfutils/	GPL-2.0-only	Modified
ethtool	5.1	http://www.kernel.org/pub/software/network/ethtool/	GPL-2.0-only	Used
eventlog	0.2.10	https://github.com/balabit/eventlog	BSD-3-clause	Used

expat	2.7.1	https://github.com/libexpat/libexpat	MIT	Used
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	GPL-2.0-only	Modified
ffmpeg	7.1	https://ffmpeg.org/releases/	GPL-2.0-or-later	Modified
flac	1.3.3	https://downloads.xiph.org/releases/flac/	GPL-2.0-only	Modified
fstools	2021-01-04-c53b1882	https://sources.openwrt.org/fstools-2021-01-04-c53b1882.tar.xz	GPL-2.0-only	Modified
fwtool	2019-11-12-8f7fe925	https://openwrt.org/packages/pkgdata/fwtool	GPL-2.0-only	Used
gdbm	1.18.1	https://www.gnu.org/software/gdbm/	GPL-3.0-only	Modified
gettext	0.19.8.1	http://www.gnu.org/software/gettext/	GPL-3.0-only	Used
glib	2.68.4	http://www.gtk.org/	LGPL-2.1-only	Used
gmp	6.2.1	http://gmplib.org/	GPL-3.0-or-later	Used
gnutls	3.8.0	http://www.gnutls.org/	LGPL-2.1-only	Modified
i2c-tools	4.3	https://i2c.wiki.kernel.org/index.php/I2C_Tools	GPL-2.0-only	Used
iproute2	5.11.0	https://github.com/shemminger/iproute2	GPL-2.0-only	Modified
iptables	1.8.7	https://git.netfilter.org/iptables/	GPL-2.0-only	Modified

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iw	5.9-8fab0c9e	http://wireless.kernel.org/en/users/Documentation/iw	ISC	Modified
json-c	0.15	https://github.com/json-c/json-c/downloads	MIT	Modified
jsonfilter	2018-02-04-c7e938d6	http://git.openwrt.org/?p=project/jsonpath.git	ISC	Modified
kmod	27	https://www.kernel.org/pub/linux/utils/kernel/kmod/	LGPL-2.1-only	Used
lame	3.1	http://sourceforge.net/projects/lame	LGPL-2.0-only	Used
libcap	2.43	https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2/	GPL-2.0-only	Modified
libcap-ng	0.8.1	https://people.redhat.com/sgrubb/libcap-ng/index.html	GPL-2.0-only	Used
libdbi	0.9.0	http://libdbi.sourceforge.net/	LGPL-2.1-only	Used
libedit	20210419-3.1	http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/	BSD-3-clause	Modified
libexif	0.6.22	https://libexif.github.io/	LGPL-2.1-only	Modified
libffi	3.3	http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/	MIT	Used
libgcrypt	1.8.7	https://www.gnupg.org/related_software/libgcrypt/	GPL-2.0-only	Used
libgpg-error	1.42	https://www.gnupg.org/related_software/libgpg-error/	GPL-2.0-only	Modified
libgpiod	1.4.4	https://git.kernel.org/pub/scm/libs/libgpiod/libgpiod.git	LGPL-2.1	Used

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libiconv	1.16	https://ftp.gnu.org/gnu/libiconv/libiconv-1.16.tar.gz	LGPL-2.1 -only	Mo difi ed
libid3tag	0.15.1b	http://mad.sourceforge.net/	GPL-2.0- only	Use d
libjpeg-turbo	2.0.6	https://www.libjpeg-turbo.org/	BSD-3-cl ause	Use d
libmnl	1.0.4	http://www.netfilter.org/projects/libmnl/	LGPL-2.1 -or-later	Mo difi ed
libnetfilter r_contrack	1.0.8	https://git.netfilter.org/libnetfilter_contrack/	GPL-2.0- only	Use d
libnetfilter r_cthelper	1.0.0	http://www.netfilter.org/projects/libnetfilter_cthelper/	GPL-2.0- only	Use d
libnetfilter r_cttimeout	1.0.0	http://www.netfilter.org/projects/libnetfilter_cttimeout/	GPL-2.0- only	Use d
libnetfilter r_queue	1.0.5	https://git.netfilter.org/libnetfilter_queue/	GPL-2.0- only	Use d
libnfnetlink	1.0.1	https://git.netfilter.org/libnfnetlink/	GPL-2.0- or-later	Use d
libnl	3.5.0	http://www.infradead.org/~tgr/libnl/	LGPL-2.1 -only	Mo difi ed
libnl-tiny	2020-08-05 -c291088f	https://github.com/openwrt/openwrt/tree/master/package /libs/libnl-tiny	LGPL-2.1 -only	Mo difi ed
libogg	1.3.4	https://downloads.xiph.org/releases/ogg/	BSD-3-cl ause	Use d
libpcap	1.9.1	www.tcpdump.org	BSD-3-cl ause	Use d
libselenium	3.2	https://github.com/SELinuxProject/selinux/releases/download	public-d	Use

		d/3.2	omain	d
libsepol	3.2	https://github.com/SELinuxProject/selinux/releases/download/3.2	LGPL-2.1 -only	Use d
libsrtp	1.6.0	http://oss.metaparadigm.com/json-c/	BSD-3-cl ause	Mo difi ed
libstrophe	0.12.2	https://codeload.github.com/strophe/libstrophe/tar.gz/	MIT	Mo difi ed
libtirpc	1.3.2	http://libtirpc.sourceforge.net/	BSD-3-cl ause	Mo difi ed
libtool	2.4.6	http://www.gnu.org/software/libtool/	GPL-2.0- only	Use d
libubox	2021-05-16 -b14c4688	http://mirror.greenwavereality.com/openwrt/	ISC	Use d
libusb	1.0.24	https://sourceforge.net/projects/libusb/	LGPL-2.1 -only	Use d
libvorbis	1.3.7	http://downloads.xiph.org/releases/vorbis/	BSD-3-cl ause	Use d
libxml2	2.9.12	http://xmlsoft.org/sources/	MIT	Use d
Linux/Ar m Kernel	5.4.171	http://ftp.ntu.edu.tw/pub/linux/kernel/v5.x/	GPL-2.0- only	Mo difi ed
logrotate	3.22.0	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPL-2.0- only	Mo difi ed
lua	5.1.5	http://www.tecgraf.puc-rio.br/lua/ftp/	MIT	Mo difi ed
lua	5.3.5	http://www.tecgraf.puc-rio.br/lua/ftp/	MIT	Mo difi ed
luasocket	2019-04-21	https://github.com/diegonehab/luasocket	MIT	Mo

t	-733af884			difi ed
lucihttp	2021-06-11 -3dc89af4	https://github.com/jow-/lucihttp.git	MIT	Use d
lxc	2.0.4	https://linuxcontainers.org/lxc/downloads/	GPL-2.0- only	Mo difi ed
mailsend	1.19	https://github.com/muquit/mailsend/	BSD-3-cl ause	Mo difi ed
mbbedtls	2.16.11	https://codeload.github.com/ARMmbed/mbbedtls/tar.gz/v2.16.11	GPL-2.0- only	Mo difi ed
minidlna	1.3.0	https://sourceforge.net/projects/minidlna/files/minidlna/1.3.0/	GPL-2.0- only	Mo difi ed
musl-fts	1.2.7	https://github.com/pullmoll/musl-fts.git	BSD-3-cl ause	Use d
nbtscan	1.7.2	http://ftp.debian.org/debian/pool/main/n/nbtscan/	GPL-2.0- only	Use d
ncurses	6.2	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Mo difi ed
net-snmp	5.9.4	http://www.net-snmp.org/	BSD-3-cl ause	Mo difi ed
nettle	3.9.1	https://ftp.gnu.org/gnu/nettle/	GPL-2.0- only	Mo difi ed
nghttp2	1.57.0	https://osdn.net/projects/immortalwrt/storage/sources/nghttp2-1.43.0.tar.xz/	MIT	Use d
ntfs-3g	2022.10.3	http://ntfs-3g.org	GPL-2.0- only	Use d
ntpclient	2015_365	http://doolittle.icarus.com/ntpclient/	GPL-2.0- or-later	Mo difi

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omcproxy	2018-12-14-722151f0	https://osdn.net/projects/immortalwrt/storage/sources/omcproxy-2018-12-14-722151f0.tar.xz/	apache-2.0	Modified
openssl	3.2.0	http://www.openssl.org	OpenSSL	Modified
pciutils	3.7.0	https://github.com/yifengyou/pciutils-3.7.0	GPL-2.0-only	Modified
pcr	8.44	https://sourceforge.net/projects/pcr/files/pcr/8.44/	BSD-3-clause	Used
pcr2	10.44	https://www.linuxfromscratch.org/blfs/view/systemd/generall/pcr2.html	BSD-3-clause	Modified
popt	1.16	http://rpm5.org/files/popt/	MIT	Modified
ppp	2.4.3	http://www.roaringpenguin.com/pppoe	GPL-2.0-only	Modified
pptp	1.7.1	https://sourceforge.net/projects/pptpclient/files/pptp/pptp-1.7.1/	GPL-2.0-only	Used
procd	2021-02-23-37eed131	https://downloads.openwrt.org/releases/21.02.1/targets/arc770/generic/openwrt-21.02.1-arc770-generic-default.manifest	LGPL-2.1-only	Modified
pure-ftpd	1.0.50	http://pureftpd.org	BSD-3-clause	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD-3-clause	Used
readline	8.2	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html	GPL-3.0-only	Used
resolveip	2	https://github.com/openwrt/openwrt/tree/openwrt-21.02/package/network/utils/resolveip	GPL-2.0-only	Used

rp-pppoe	3.14	https://dianne.skoll.ca/projects/rp-pppoe/download	GPL-2.0-only	Modified
samba	3.6.25	https://download.samba.org/pub/samba/samba-3.6.25.tar.gz	GPL-3.0-only	Modified
sqlite	3460000	http://www.sqlite.org/	public-domain	Used
swconfig	12	https://github.com/openwrt-mirror/openwrt/blob/master/target/linux/generic/files/drivers/net/phy/swconfig.c	GPL-2.0-only	Used
syslog-ng	4.7.1	https://github.com/balabit/syslog-ng	GPL-2.0-only	Used
tcpdump	4.99.4	http://www.tcpdump.org/	BSD-3-clause	Used
u-boot	2021.01	https://source.denx.de/u-boot/u-boot	GPL-2.0-only	Used
ubox	2020-10-25-9ef88681	https://git.openwrt.org/project/ubox.git	GPL-2.0-only	Used
ubus	2021-06-30-4fc532c8	https://git.openwrt.org/?p=project/ubus.git;a=shortlog	LGPL-2.1-only	Used
uci	2020-10-06-52bbc99f	https://git.openwrt.org/project/uci.git	LGPL-2.1-only	Used
uclient	2021-05-14-6a6011df	https://git.openwrt.org/project/uclient.git	ISC	Used
udhcp	0.9.8	http://udhcp.busybox.net/	GPL-2.0-only	Modified
unbound	1.14.0	https://nlnetlabs.nl/downloads/unbound/	BSD-3-clause	Modified
urandom-seed	3	https://github.com/ntl9t/openwrt-1/blob/master/package/system/urandom-seed/files/etc/init.d/urandom_seed	GPL-2.0-only	Used
urngd	2020-01-21-c7f7b6b6	http://mirror.greenwavereality.com/openwrt/	GPL-2.0-only	Used
usb-mod	2.1.0	http://www.draisberghof.de/usb_modeswitch/	GPL-2.0-	Used

eswitch			only	d
usign	2020-05-23 -f1f65026	https://download.iopsys.eu/iopsys/mirror/usign-2020-05-23-f1f65026.tar.xz	ISC	Used
ustream-ssl	2020-12-10 -68d09243	https://github.com/KoWming/Openwrt-LEDE-dl/blob/main/ustream-ssl-2020-12-10-68d09243.tar.xz	ISC	Used
util-linux	2.36.1	https://github.com/karelzak/util-linux/	GPL-2.0-only	Used
vim	9	http://ftp.vim.org/pub/vim/unix	GPL-2.0-only	Modified
wide-dhcpv6	20080615	https://sourceforge.net/projects/wide-dhcpv6/	BSD-3-clause	Modified
wireless-regdb	2021.08.28	https://git.kernel.org/pub/scm/linux/kernel/git/sforshee/wireless-regdb.git/	ISC	Modified
wireless-tools	29	https://hewlettpackard.github.io/wireless-tools	GPL-2.0-only	Modified
wolfssl	4.8.1-stable	http://www.wolfssl.com/	GPL-2.0-only	Modified
wsdd2	2021-08-09 -bcc51c3e	https://github.com/Netgear/wsdd2	GPL-3.0-only	Used
xl2tpd	1.3.16	https://github.com/xelerance/xl2tpd.git	GPL-2.0-only	Modified
xz	5.2.5	https://tukaani.org/xz	GPL-2.0-only	Modified
zlib	1.3.1	https://github.com/madler/zlib	zlib	Used
zoneinfo	2021a	https://www.iana.org/time-zones/repository/releases/tzcode2021a.tar.gz	BSD-3-clause	Modified

quagga	1.2.4	https://www.iana.org/time-zones/repository/releases/tzdata2021a.tar.gz	GPLv2	Used
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Known issues

Modules	Issue	Risk Impact Information

Notification

1. OpenSSL 3.1.2 Upgrade Notification

The certificates signed using SHA1 or older/weaker hashes are no longer supported for authenticating servers or clients.

Before upgrading the firmware:

- Please ensure that certificates in your devices are not using weak hashes.
- If weak hashes are detected, kindly update and verify your certificates promptly with stronger hash
(The minimum recommended hash is SHA256)

Modifications in 5.70(ACIF.2.1)C0

Based on V5.70(ACIF.2.1)b1 to release V5.70(ACIF.2.1)C0

● Feature Enhancement

Modified Modules	Features Enhancement List
FCS	Based on V5.70(ACIF.2.1)b1 to release V5.70(ACIF.2.1)C0

● Bug Fixed

Modified Modules	Bug Fixed List

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Modifications in 5.70(ACIF.2.1)b1

Based on V5.70(ACIF.2)C0 to release V5.70(ACIF.2.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	1. [CVE-2025-11845, CVE-2025-11846, CVE-2025-11847, CVE-2025-11848] Zyxel-SI-1638 [Vulnerability] Multiple potential null pointer dereference vulnerabilities in the CGI program 2. [CVE-2025-13942 、 CVE-2025-13943] Zyxel-SI-1644 [Vulnerability] Command injection vulnerabilities in zupnp and zhhttpd binaries in customized firmware