

EX3500-T0/EX3501-T0 Generic

Firmware Release Note

V5.44(ACHR.4.1)C0

Date: Aug. 21, 2025

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Reviewer:

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Revision History

Date	Release	Author	Description
2023/4/26	1.0	Winnie chang	FW release for V5.44(ACHR.0)b1
2023/5/12	2.0	Winnie chang	FW release for V5.44(ACHR.0)b2
2023/6/1	3.0	Winnie chang	FW release for V5.44(ACHR.0)b3
2023/6/7	4.0	Winnie chang	FW release for V5.44(ACHR.0)C0
2023/6/8	5.0	Winnie chang	FW release for V5.44(ACHR.0)D0
2023/11/14	6.0	Stanley Chung	FW release for V5.44(ACHR.1)b1
2023/12/29	7.0	Stanley Chung	FW release for V5.44(ACHR.1)b2
2024/02/21	8.0	Stanley Chung	FW release for V5.44(ACHR.1)b3
2024/02/23	9.0	Stanley Chung	FW release for V5.44(ACHR.1)b4
2024/03/08	10.0	Stanley Chung	FW release for V5.44(ACHR.1)C0
2024/04/17	11.0	Howard Chen	FW release for V5.44(ACHR.2)b1
2024/05/09	12.0	Howard Chen	FW release for V5.44(ACHR.2)b2
2024/05/31	14.0	Howard Chen	FW release for V5.44(ACHR.2)b3
2024/07/10	15.0	Howard Chen	FW release for V5.44(ACHR.2)b4
2024/07/10	16.0	Howard Chen	FW release for V5.44(ACHR.2)C0
2024/08/09	17.0	Howard Chen	FW release for V5.44(ACHR.2.1)b1_F0
2024/09/27	18.0	Wilbur Lu	FW release for V5.44(ACHR.3)b1
2024/10/24	19.0	Wilbur Lu	FW release for V5.44(ACHR.3)b2
2024/10/24	19.1	Wilbur Lu	FW release for V5.44(ACHR.3)b2_D0
2024/11/5	20.0	Wilbur Lu	FW release for V5.44(ACHR.3)C0
2024/11/5	20.1	Wilbur Lu	FW release for V5.44(ACHR.3)D0
2024/11/22	20.2	Wilbur Lu	FW release for V5.44(ACHR.3.1)b1
2024/11/22	20.3	Wilbur Lu	FW release for V5.44(ACHR.3.1)b1_F0
2024/12/23	20.4	Wilbur Lu	FW release for V5.44(ACHR.3.1)b2

2024/12/23	20.5	Wilbur Lu	FW release for V5.44(ACHR.3.1)C0
2024/12/23	20.6	Wilbur Lu	FW release for V5.44(ACHR.3.1)E0
2024/12/31	20.7	Wilbur Lu	FW release for V5.44(ACHR.4)b1
2025/04/22	20.8	Wilbur Lu	FW release for V5.44(ACHR.4)b2
2025/04/22	20.9	Wilbur Lu	FW release for V5.44(ACHR.4)b2_E0
2025/04/22	20.10	Wilbur Lu	FW release for V5.44(ACHR.4)b2_G0
2025/04/29	20.11	Wilbur Lu	FW release for V5.44(ACHR.4)E0
2025/04/29	20.12	Wilbur Lu	FW release for V5.44(ACHR.4)C0
2025/08/21	20.13	Wilbur Lu	FW release for V5.44(ACHR.4.1)b1
2025/08/21	20.14	Wilbur Lu	FW release for V5.44(ACHR.4.1)C0

**EX3500-T0/ EX3501-T0 Generic
V5.44(ACHR.4.1)C0
Release Note**

Date: Aug. 21, 2025

Supported Platforms:

Zyxel EX3500-T0/EX3501-T0 Generic

Versions:

Bootbase version : V2.8

Firmware version : V5.44(ACHR.4.1)C0

Kernel version: 4.4.115

WLAN code version: 7.6.2.3

3G WWAN package version: 1.24

Notes:

Public Domain Software Announcements

Open Source Used In Product	Version	From (Source)	License Terms	Modified / Used
atftp	0.7.1	https://sourceforge.net/projects/atftp/	GPL-2.0-only	Modified
bridge-Utils	1.5	https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/	GPL-2.0-only	Modified
busybox	1.20.1	https://busybox.net/	GPL-2.0-only	Modified
clinkc	2.4	https://sourceforge.net/projects/clinkc/	BSD-3-Clause	Modified
curl	8.7.1	https://curl.se/	MIT	Modified
conntrack-tools	1.4.3	https://git.netfilter.org/conntrack-tools/	GPL-2.0-only	Used
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPL-2.0-only	Modified
dropbear	2018.76	https://github.com/mkj/dropbear	MIT	Modified
ebtables	v2.0.8-2	https://git.netfilter.org/ebtables/	GPL-2.0-only	Modified
eventlog	0.2.10	https://github.com/balabit/eventlog	BSD-3-Clause	Used
expat	2.7.1	http://expat.sourceforge.net/	MIT	Used
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	GPL-2.0-only	Modified
gettext	0.16.1	http://www.gnu.org/software/gettext/	GPL-2.0-only	Used
glib	2.37.7	http://www.gtk.org/	LGPL-2.0-only	Used
iproute2	2.6.33	https://github.com/shemminger/iproute2	GPL-2.0-only	Modified
iptables	1.4.21	https://git.netfilter.org/iptables/	GPL-2.0-only	Modified
jpegsrcc	v9a	http://www.ijg.org/	IJG	Used
json-c	0.13.1	https://github.com/json-c/json-c/downloads	MIT	Modified
libedit	20080712-2.11	http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/	BSD-3-Clause	Modified
libffi	3.0.11	http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/	MIT	Used
libiconv	1.11.1	http://www.gnu.org/software/libiconv/	LGPL-2.0-only	Modified
libnetfilter_conntrack	1.0.4	https://git.netfilter.org/libnetfilter_conntrack/	GPL-2.0-only	Used
libnetfilter_queue	1.0.2	https://git.netfilter.org/libnetfilter_queue/	GPL-2.0-only	Modified

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libnfnetwork	1.0.1	https://git.netfilter.org/libnfnetwork/	GPL-2.0-only	Modified
libnl-tiny	0.1	https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny	GPL-2.0-only	Used
libpcap	1.1.1	www.tcpdump.org	BSD-3-Clause	Modified
libtool	2.4	http://www.gnu.org/software/libtool/	GPL-2.0-only	Used
libusb	1.0.9	https://sourceforge.net/projects/libusb/	LGPL-2.1-only	Used
Linux/Arm Kernel	4.4.115	—	GPL-2.0-only	Modified
logrotate	3.7.1	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPL-2.0-only	Modified
mailsend	1.17b15	https://github.com/muquit/mailsend/	BSD-3-Clause	Modified
ncurses	5.7	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
net-snmp	5.8	http://www.net-snmp.org/	BSD-3-Clause	Modified
ntfs-3g	2022.10.3	http://ntfs-3g.org	GPL-2.0-only	Used
ntpclient	2007_365	http://doolittle.icarus.com/ntpclient/	GPL-2.0-only	Modified
openssl	3.1.2	http://www.openssl.org	OpenSSL	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
pure-ftpd	1.0.50	http://pureftpd.org	BSD-3-Clause	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD-3-Clause	Modified
readline	5.2	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html	GPL-2.0-only	Used
samba	3.6.25	http://www.samba.org/samba/	GPL-2.0-only	Modified
sqlite	3.6.23.1	http://www.sqlite.org/	MIT	Used
syslog-ng	3.38.1	https://github.com/balabit/syslog-ng	GPL-2.0-only	Modified
tcpdump	4.2.1	http://www.tcpdump.org/	BSD-3-Clause	Modified
udhcp	0.9.8	http://udhcp.busybox.net/	GPL-2.0-only	Modified
usb-modeswitch	2.1.0	http://www.draisberghof.de/usb_modeswitch/	GPL-2.0-only	Modified
util-linux	2.21.2	https://github.com/karelzak/util-linux/	GPL-2.0-only	Modified
wide-dhcpv6	20080615	https://sourceforge.net/projects/wide-dhcpv6/	BSD-3-Clause	Modified
quagga	1.2.4	https://github.com/Quagga/quagga	GPLv2	Modified

miniupnpd	2.3.1	http://miniupnp.free.fr/	BSD-3-Clause	Used
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Known issues

Modules	Issue	Risk Impact Information
WiFi		1. 5g link rate overflow 2. wifi Max downstream/upstream fail 3. In V544ACHR1C0, this phase don' t support operation mode
IPv6	Not Support MAP-T/MAP-E	
F-sec	Not Support F-Secure	
L2TP	Not Support L2TP VPN	
LED	Not Support GUI LED control button	

Modifications in 5.44(ACHR.4.1)C0

Branch	EN7529_EX3501-T0_ACHR2b2_OPAL_Generic_20231006
Project	EX3501-T0
Profile	EX3501-T0_Generic
Git Version:	
Based on 5.44(ACHR.4.1)b1 to release 5.44(ACHR.4.1)C0	

Modifications in 5.44(ACHR.4.1)b1

Branch	EN7529_EX3501-T0_ACHR2b2_OPAL_Generic_20231006
Project	EX3501-T0
Profile	EX3501-T0_Generic

● Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	[CVE-2025-8693][Zyxel-SI-1624] A post-authentication command injection vulnerability in the certificate upload CGI program
Vulnerability	[CVE-2024-8176][Zyxel-SI-1605] The libexpat open source library is vulnerable to DoS attacks through stack overflow
Vulnerability	[Zyxel-SI-1612] Improper privilege management
Vulnerability	[CVE-2025-6599][Zyxel-SI-1616] Slow HTTP DoS vulnerability
Vulnerability	[CVE-2025-6599][Zyxel-SI-1621] Slow read DoS vulnerability on the zhhttpd web server