

**DX3301-T0 Generic
EX3301-T0 Generic
DX3300-T0 Generic
EX3300-T0 Generic
EX3200-T0 Generic
DX3300-T1 Generic
EX3300-T1 Generic**

Firmware Release Note

V5.50(ABVY.7)C0

Date: Oct. 17, 2025

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Reviewer: Ryan Yeh

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Revision History

Date	Release	Author	Description
2020/06/19	1.0	GuanHong Chen	FW release for V5.50(ABVY.0)b1
2020/08/14	1.1	GuanHong Chen	FW release for V5.50(ABVY.0)b2
2020/09/30	1.2	GuanHong Chen	FW release for V5.50(ABVY.0)b3
2020/10/22	1.3	GuanHong Chen	FW release for V5.50(ABVY.0)b4
2020/11/12	1.4	GuanHong Chen	FW release for V5.50(ABVY.0)b5
2020/12/11	1.5	Ralph Chien	FW release for V5.50(ABVY.1)b1
2021/01/22	1.6	Ralph Chien	FW release for V5.50(ABVY.1)b2
2021/03/18	1.7	Ralph Chien	FW release for V5.50(ABVY.1)b3
2021/03/22	1.8	Ralph Chien	FW release for V5.50(ABVY.1)b4
2021/04/06	1.9	Ralph Chien	FW release for V5.50(ABVY.1)b5
2021/06/18	2.0	Ralph Chien	FW release for V5.50(ABVY.1)b6
2021/07/14	2.1	Ralph Chien	FW release for V5.50(ABVY.1)C0
2021/09/17	2.2	Ralph Chien	FW release for V5.50(ABVY.2)b1
2021/11/05	2.3	Ralph Chien	FW release for V5.50(ABVY.2)b2
2021/11/12	2.4	Ralph Chien	FW release for V5.50(ABVY.2)b3
2021/12/20	2.5	Ralph Chien	FW release for V5.50(ABVY.2)b4
2022/01/10	2.6	Ralph Chien	FW release for V5.50(ABVY.2)b5
2022/01/26	2.7	Ralph Chien	FW release for V5.50(ABVY.2)C0
2021/10/15	2.8	Ralph Chien	FW release for V5.50(ABVY.3)b1
2021/11/19	2.9	Ralph Chien	FW release for V5.50(ABVY.3)b2
2021/12/29	3.0	Ralph Chien	FW release for V5.50(ABVY.3)b3
2022/03/10	3.1	Ralph Chien	FW release for V5.50(ABVY.3)b4
2022/04/26	3.2	Ralph Chien	FW release for V5.50(ABVY.3)b5
2022/06/01	3.3	Ralph Chien	FW release for V5.50(ABVY.3)b6
2022/06/15	3.4	Ralph Chien	FW release for V5.50(ABVY.3)C0
2022/06/29	3.5	Ralph Chien	FW release for V5.50(ABVY.3.1)b1

2022/06/29	3.6	Ralph Chien	FW release for V5.50(ABVY.3.1)C0
2022/11/16	3.7	Ralph Chien	FW release for V5.50(ABVY.3.3)b1
2022/11/16	3.8	Ralph Chien	FW release for V5.50(ABVY.3.3)C0
2022/11/23	3.9	Ralph Chien	FW release for V5.50(ABVY.3.4)b1
2022/11/23	4.0	Ralph Chien	FW release for V5.50(ABVY.3.4)C0
2023/02/24	4.1	Ralph Chien	FW release for V5.50(ABVY.4)b1
2023/04/28	4.2	Ralph Chien	FW release for V5.50(ABVY.4)b2
2023/06/16	4.3	Ralph Chien	FW release for V5.50(ABVY.4)b3
2023/07/28	4.4	Ralph Chien	FW release for V5.50(ABVY.4)b4
2023/08/21	4.5	Ralph Chien	FW release for V5.50(ABVY.4)b5
2023/09/01	4.6	Ralph Chien	FW release for V5.50(ABVY.4)C0
2023/10/20	4.7	Ralph Chien	FW release for V5.50(ABVY.5)b1
2023/12/29	4.8	Ralph Chien	FW release for V5.50(ABVY.5)b2
2024/03/05	4.9	Ralph Chien	FW release for V5.50(ABVY.5)b3
2024/04/03	5.0	Ralph Chien	FW release for V5.50(ABVY.5)b4
2024/04/17	5.1	Ralph Chien	FW release for V5.50(ABVY.5)C0
2024/04/30	5.2	Ralph Chien	FW release for V5.50(ABVY.5.1)b1
2024/05/03	5.3	Ralph Chien	FW release for V5.50(ABVY.5.1)b2
2024/05/03	5.4	Ralph Chien	FW release for V5.50(ABVY.5.1)C0
2024/05/20	5.5	Ralph Chien	FW release for V5.50(ABVY.5.2)b1
2024/05/24	5.6	Ralph Chien	FW release for V5.50(ABVY.5.2)b2
2024/05/27	5.7	Ralph Chien	FW release for V5.50(ABVY.5.2)C0
2024/06/28	5.8	Ralph Chien	FW release for V5.50(ABVY.5.3)b1
2024/06/28	5.9	Ralph Chien	FW release for V5.50(ABVY.5.3)C0
2024/07/31	6.0	Ralph Chien	FW release for V5.50(ABVY.6)b1
2024/11/01	6.1	Ralph Chien	FW release for V5.50(ABVY.6)b2
2025/01/14	6.2	Ralph Chien	FW release for V5.50(ABVY.6)b3
2025/02/24	6.3	Ralph Chien	FW release for V5.50(ABVY.6)C0
2025/03/07	6.4	Ralph Chien	FW release for V5.50(ABVY.6.1)b1
2025/03/07	6.5	Ralph Chien	FW release for V5.50(ABVY.6.1)C0
2025/04/11	6.6	Ralph Chien	FW release for V5.50(ABVY.6.2)b1
2025/04/18	6.7	Ralph Chien	FW release for V5.50(ABVY.6.2)C0
2025/05/16	6.8	Ralph Chien	FW release for V5.50(ABVY.7)b1
2025/07/11	6.9	Ralph Chien	FW release for V5.50(ABVY.7)b2

2025/09/05	7.0	Ralph Chien	FW release for V5.50(ABVY.7)b3
2025/09/16	7.1	Ralph Chien	FW release for V5.50(ABVY.7)b4
2025/10/03	7.2	Ralph Chien	FW release for V5.50(ABVY.7)b5
2025/10/17	7.3	Ralph Chien	FW release for V5.50(ABVY.7)C0

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V5.50(ABVY.7)C0
Release Note**

Date: Oct. 17, 2025

Supported Platforms:

Zyxel DX3301-T0

Zyxel EX3301-T0 (DX3301-T0 remove VD WAN)

Zyxel DX3300-T0(DX3301-T0 remove VoIP)

Zyxel EX3300-T0(DX3301-T0 remove VD WAN and VoIP)

Zyxel EX3200-T0(DX3301-T0 remove VD WAN and VoIP)

Zyxel DX3300-T1 (DX3301-T0 remove VoIP and ETH WAN)

Zyxel EX3300-T1 (DX3301-T0 remove VD and ETH WAN and VoIP)

Versions:

Bootbase version : V1.45 | 02/23/2023 19:36:05

Firmware version : V5.50(ABVY.7)C0

Kernel version : 3.18.21

DSL code version : V5.12.30.0_240307

WLAN code version : MT7915D 7.4.0.0

3G dongle WWAN package version : 1.27

Notes:

Public Domain Software Announcements

Open Source Used in product(3 rd party software)	Version	From (Source)	Licensing Term	Modified / Used
Bridge-Utils	1.0.6	http://bridge.sourceforge.net	GPLv2	Used
BusyBox	1.20.1	http://www.busybox.net/	GPLv2	Modified
clinkc	2.4	http://sourceforge.net/projects/clinkc/	BSD	Modified
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPLv2	Modified
dropbear	2024.85	http://matt.ucc.asn.au/dropbear/dropbear.html	MIT	Modified
ebtables	2.0.8-2	http://ebtables.sourceforge.net	GPLv2	Modified
eventlog	0.2.10	http://git.balabit.hu/?p=bazsi/eventlog-1.0.git;a=summary	BSD	Used
expat	2.7.1	http://expat.sourceforge.net/	MIT	Used
ez-ipupdate	3.0.11b 8	http://ez-ipupdate.com/	GPLv2	Used
gettext	0.16.1	http://www.gnu.org/software/gettext/	GPLv2	Used
glib	2.37.7	http://www.gtk.org/	LGPLv2	Used
iproute2	2.6.33	http://repository.timesys.com/buildsources/i/iproute2/	GPLv2	Modified
iptables	1.4.10	http://www.netfilter.org	GPLv2	Modified
json-c	0.13	https://github.com/json-c/json-c/downloads	MIT	Modified
libedit	200807 12-2.11	http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/	BSD	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/	LGPLv2	Modified
libnetfilter_queue	1.0.2	http://www.netfilter.org/projects/libnetfilter_queue/	GPLv2	Used
libnfnethlink	1.0.1	http://www.netfilter.org/projects/libnetfilter_queue/	GPLv2	Used
libpcap	1.1.1	www.tcpdump.org	BSD	Used

libtool	2.4	http://www.gnu.org/software/libtool/	GPLv2	Used
libusb	1.0.9	http://www.libusb.org/	LGPL 2.1	Used
logrotate	3.22.0	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPLv2	Modified
ncurses	5.7	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
net-snmp	5.9.4	http://www.net-snmp.org/	BSD/BSD like	Modified
ntfs-3g	2022.10.3	http://ntfs-3g.org	GPLv2/LGPLv2	Used
ntpclient	2007_365	http://doolittle.icarus.com/ntpclient/	GPLv2	Modified
openssl	3.2.0	http://www.openssl.org	Openssl (BSD-style)	Modified
popt	1.16	http://rpm5.org/files/popt/	MIT	Modified
ppp	2.4.3	http://www.roaringpenguin.com/pppoe	GPL/LGPL/BSD	Modified
pure-ftpd	1.0.50	http://pureftpd.org	ISC/BSD	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD	Used
readline	8.2	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html	GPLv2	Used
samba	3.6.25	http://www.samba.org/samba/	GPLv3	Modified
sqlite	3.46.0	http://www.sqlite.org/	Public Domain License	Used
syslog-ng	4.7.1	http://www.balabit.com/network-security/syslog-ng/	GPLv2	Used
tcpdump	4.99.4	http://www.tcpdump.org/	BSD	Used
udhcp	0.9.8	http://udhcp.busybox.net/	GPLv2	Modified
usb-modeswitch	2.1.0	http://www.draisberghof.de/usb_modeswitch/	GPLv2	Used
WIDE-DHCPv6	20080615	http://wide-dhcpv6.sourceforge.net/	BSD	Modified
miniupnpd	2.3.1	http://miniupnp.free.fr/	BSD-3-Clause	Used

curl	8.7.1	https://curl.se/	MIT	Modified
quagga	1.2.4	https://github.com/Quagga/quagga	GPLv2	Modified
atftp	0.8.0	https://sourceforge.net/projects/atftp/	GPLv2	Modified
c-ares	1.30.0	https://c-ares.haxx.se/download	c-ares license	Modified
ffmpeg	0.8.12	https://ffmpeg.org/releases/	GPLv2/ GPLv3/ LGPLv2. 1/LGPL v3	Modified
pcre2	10.44	https://www.linuxfromscratch.org/blfs/view/systemd/general/pcre2.html	PCRE2 LICENC E	Modified
zlib	1.3.1	https://github.com/madler/zlib	zlib	Used

Known issues

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 V5.50(ABVY.7)C0

Based on V5.50(ABVY.7)b5 to release V5.50(ABVY.7)C0

● Feature Enhancement

Modified Modules	Features Enhancement List
FCS	Based on 5.50(ABVY.7)b5, Change to FCS version

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.50(ABVY.7)b5

Based on V5.50(ABVY.7)b4 to release V5.50(ABVY.7)b5

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.50(ABVY.7)b4

Based on V5.50(ABVY.7)b3 to release V5.50(ABVY.7)b4

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.50(ABVY.7)b3

Based on V5.50(ABVY.7)b2 to release V5.50(ABVY.7)b3

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
CVE	<div>1. [CVE-2025-20631 、 CVE-2025-20632 、 CVE-2025-20633] Possible out-of-bounds write in MTK WLAN driver.</div> <div>2. [CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow</div> <div>3. Zyxel-SI-1612 Improper privilege management</div> <div>4. [CVE-2025-6599] Zyxel-SI-1616 [Vulnerability] Slow HTTP DoS vulnerability in the DX3301-T0</div> <div>5. [CVE-2025-6599] Zyxel-SI-1621 [Vulnerability] Slow read DoS vulnerability on the zhttpd web server</div> <div>6. [CVE-2025-8693] Zyxel-SI-1624 [Vulnerability] A post-authentication command injection vulnerability in the certificate upload CGI program of DX3300-T0 and VMG3925-B10B</div>

Modifications in V5.50(ABVY.7)b2

Based on V5.50(ABVY.7)b1 to release V5.50(ABVY.7)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
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● Bug Fixed

Modified Modules	Bug Fixed List
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Modifications in V5.50(ABVY.7)b1

Based on V5.50(ABVY.6.2)C0 to release V5.50(ABVY.7)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
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● Bug Fixed

Modified Modules	Bug Fixed List
Security	1. [CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow.
GUI	1. [eITS#250400461] CVE-2024-6531: Bootstrap v4.6.2 Vulnerability