

PX7501-B0/AX7501-B0/AX7501-B1/PM7510-00

Generic

Firmware Release Note

V5.17(ABPC.6.2)C0

Date:	Aug 15, 2025
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Revision History

Date	Release	Author	Description
2019/03/15	1.0	Joanna Su	FW release for V5.15(ABPC.0)b1
2019/04/23	1.1	Joanna Su	FW release for V5.15(ABPC.0)b2
2019/06/04	1.2	Joanna Su	FW release for V5.15(ABPC.0)b3
2019/08/23	1.3	Justin Lin	FW release for V5.15(ABPC.0)b4
2019/12/27	1.4	Justin Lin	FW release for V5.15(ABPC.0)b5
2020/02/27	1.5	Justin Lin	FW release for V5.15(ABPC.0)b6
2020/03/18	1.6	Justin Lin	FW release for V5.15(ABPC.0)b7
2020/03/20	1.7	Justin Lin	FW release for V5.15(ABPC.0)C0
2021/02/26	2.0	Justin Lin	FW release for V5.17(ABPC.1)b1
2021/04/23	2.1	Justin Lin	FW release for V5.17(ABPC.1)b2
2021/05/21	2.2	Justin Lin	FW release for V5.17(ABPC.1)b3
2021/06/25	2.3	Justin Lin	FW release for V5.17(ABPC.1)b4
2021/08/06	2.4	Justin Lin	FW release for V5.17(ABPC.1)b5
2021/11/10	2.5	Justin Lin	FW release for V5.17(ABPC.1)b6
2021/11/30	2.6	Justin Lin	FW release for V5.17(ABPC.1)b7
2021/11/30	2.7	Justin Lin	FW release for V5.17(ABPC.1)C0
2021/10/15	3.0	Justin Lin	FW release for V5.17(ABPC.2)b1
2021/12/29	3.1	PeiPing Chen	FW release for V5.17(ABPC.2)b2
2022/03/10	3.2	PeiPing Chen	FW release for V5.17(ABPC.2)b3
2022/04/22	3.3	PeiPing Chen	FW release for V5.17(ABPC.2)b4
2022/05/13	3.4	PeiPing Chen	FW release for V5.17(ABPC.2)b5
2022/06/01	3.5	Justin Lin	FW release for V5.17(ABPC.2)C0
2022/08/10	3.6	PeiPing Chen	FW release for V5.17(ABPC.2.1)b1
2022/08/19	3.7	PeiPing Chen	FW release for V5.17(ABPC.2.1)b2
2022/08/19	3.8	PeiPing Chen	FW release for V5.17(ABPC.2.1)C0
2022/08/31	4.0	PeiPing Chen	FW release for V5.17(ABPC.3)b1
2022/10/20	4.1	PeiPing Chen	FW release for V5.17(ABPC.3)b2
2022/11/21	4.2	PeiPing Chen	FW release for V5.17(ABPC.3)b3
2022/12/30	4.3	PeiPing Chen	FW release for V5.17(ABPC.3)b4
2023/01/05	4.4	PeiPing Chen	FW release for V5.17(ABPC.3)C0

2023/04/28	5.0	PeiPing Chen	FW release for V5.17(ABPC.4)b2
2023/06/16	5.1	PeiPing Chen	FW release for V5.17(ABPC.4)b3
2023/07/28	5.2	PeiPing Chen	FW release for V5.17(ABPC.4)b4
2023/08/11	5.3	PeiPing Chen	FW release for V5.17(ABPC.4)b5
2023/09/01	5.4	PeiPing Chen	FW release for V5.17(ABPC.4)b6
2023/09/20	5.5	PeiPing Chen	FW release for V5.17(ABPC.4)C0
2023/12/15	6.0	PeiPing Chen	FW release for V5.17(ABPC.5)b2
2024/03/01	6.1	PeiPing Chen	FW release for V5.17(ABPC.5)b3
2024/03/29	6.2	PeiPing Chen	FW release for V5.17(ABPC.5)b4
2024/04/24	6.3	PeiPing Chen	FW release for V5.17(ABPC.5)C0
2024/05/29	6.4	PeiPing Chen	FW release for V5.17(ABPC.5.1)b1
2024/05/29	6.5	PeiPing Chen	FW release for V5.17(ABPC.5.1)C0
2024/06/28	6.6	PeiPing Chen	FW release for V5.17(ABPC.5.2)b1
2024/07/01	6.7	PeiPing Chen	FW release for V5.17(ABPC.5.2)C0
2024/10/04	6.8	PeiPing Chen	FW release for V5.17(ABPC.5.3)b1
2024/10/04	6.9	PeiPing Chen	FW release for V5.17(ABPC.5.3)C0
2024/07/31	7.1	PeiPing Chen	FW release for V5.17(ABPC.6)b1
2024/10/21	7.2	Isaac Tarn	FW release for V5.17(ABPC.6)b2
2025/01/10	7.3	PeiPing Chen	FW release for V5.17(ABPC.6)b3
2025/02/20	7.4	PeiPing Chen	FW release for V5.17(ABPC.6)C0
2025/04/11	7.5	PeiPing Chen	FW release for V5.17(ABPC.6.1)b1
2025/04/18	7.6	PeiPing Chen	FW release for V5.17(ABPC.6.1)C0
2025/08/15	7.7	PeiPing Chen	FW release for V5.17(ABPC.6.2)b1
2025/08/15	7.8	PeiPing Chen	FW release for V5.17(ABPC.6.2)C0

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Date: Aug 15, 2025

Supported Platforms:

Zyxel PX7501-B0/AX7501-B0/AX7501-B1/PM7510-00

Versions:

Firmware Version: V5.17(ABPC.6.2)C0

Bootbase Version: V1.66 | 04/12/2024 18:55:12

Kernel version: 4.1.52

BSP version: 502L07p2

WLAN code version : 17.10.188.75

3G WWAN package version : 1.26

Notes:

Public Domain Software Announcements

Open Source Used In Product	Version	From (Source)	License Terms	Modified / Used
atftp	0.8.0	https://sourceforge.net/projects/atftp/	GPLv2	Modified
bridge-Utils	1.5	https://git.kernel.org/pub/scm/linux/kernel/git/she-mminger/bridge-utils.git/	GPLv2	Modified
busybox	1.20.1	https://busybox.net/	GPLv2	Modified
clinkc	2.4	https://sourceforge.net/projects/clinkc/	BSD	Modified

conntrack-tools	1.4.3	https://git.netfilter.org/conntrack-tools/	GPLv2	Used
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPLv2	Modified
dropbear	2024.85	https://github.com/mkj/dropbear	MIT	Modified
ebtables	2.0.10-4	https://git.netfilter.org/ebtables/	GPLv2	Modified
eventlog	0.2.10	https://github.com/balabit/eventlog	BSD	Used
expat	2.7.1	https://github.com/libexpat/libexpat	MIT	Used
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	GPLv2	Modified
gettext	0.16	http://www.gnu.org/software/gettext/	GPLv2	Used
glib	2.37.7	http://www.gtk.org/	LGPLv2	Used
iproute2	2.6.33	https://github.com/shemminger/iproute2	GPLv2	Modified
iptables	1.4.21	https://git.netfilter.org/iptables/	GPLv2	Modified
jpegsrcc	v9a	http://www.iijg.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	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_conntrack	1.0.4	https://git.netfilter.org/libnetfilter_conntrack/	GPLv2	Used
libnetfilter_queue	1.0.2	https://git.netfilter.org/libnetfilter_queue/	GPLv2	Used
libnfnetworklink	1.0.1	https://git.netfilter.org/libnfnetworklink/	GPLv2	Used
libnl-tiny	0.1	https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny	GPLv2/LGPLv2.1	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	https://sourceforge.net/projects/libusb/	LGPL 2.1	Used
Linux/Arm Kernel	4.1.52			Modified
logrotate	3.22.0	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPLv2	Modified
mailsend	1.17b15	https://github.com/muquit/mailsend/	BSD	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	Modified
popt	1.16	http://rpm5.org/files/popt/	MIT	Modified
ppp	2.4.3	http://www.roaringpenguin.com/pppoe	GPLv2/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/rlt_op.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	https://github.com/balabit/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
util-linux	2.21.2	https://github.com/karelzak/util-linux/	GPLv2	Used
wide-dhcpv6	20080615	https://sourceforge.net/projects/wide-dhcpv6/	BSD	Modified
quagga	1.2.4	https://github.com/Quagga/quagga	GPLv2	Used
Zlib	1.3.1	https://github.com/madler/zlib	zlib	Used
miniupnp	2.3.1	https://github.com/miniupnp/miniupnp	BSD	Used

Known issues

Modules	Issue	Risk Impact Information
WiFi	#144426 [Wireless] Using Android phone and iPhone can't connect DUT via wireless 2.4G/5G QR code. (Security mode=WPA3)	

Modifications in 5.17(ABPC.6.2)C0

● Feature Enhancement

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.6.2)b1, Change to FCS version

Modifications in 5.17(ABPC.6.2)b1

● Bug Fixed

Modified Modules	Bug Fixed List
vulnerability	[#239830][CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow.
	[#239848]Zyxel-SI-1612 Improper privilege management in VMG4005-B50A.
	[#239864][CVE-2025-6599] Zyxel-SI-1616 [Vulnerability] Slow HTTP DoS vulnerability in the DX3301-T0.
	[#239883][CVE-2025-6599] Zyxel-SI-1621 [Vulnerability] Slow read DoS vulnerability on the zhhttpd web server.
	[#239900][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.