

# **PX7501-B0/AX7501-B0/AX7501-B1/PM7510-00 Generic**

Firmware Release Note

V5.17(ABPC.5.3)C0

Date:	Oct 04, 2024
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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

**PX7501-B0/AX7501-B0/AX7501-B1/PM7510-00**  
**Generic**  
**V5.17(ABPC.5.3)C0**  
**Release Note**

Date: Oct 04, 2024

**Supported Platforms:**

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

**Versions:**

Firmware Version: V5.17(ABPC.5.3)C0

Bootbase Version: V1.66 | 03/01/2024 18:37:40

Kernel version: 4.1.52

BSP version: 502L07p2

WLAN code version : 17.10.188.75

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	<a href="https://sourceforge.net/projects/atftp/">https://sourceforge.net/projects/atftp/</a>	GPLv2	Modified
bridge-Utills	1.5	<a href="https://git.kernel.org/pub/scm/linux/kernel/git/she-mminger/bridge-utils.git/">https://git.kernel.org/pub/scm/linux/kernel/git/she-mminger/bridge-utils.git/</a>	GPLv2	Modified
busybox	1.20.1	<a href="https://busybox.net/">https://busybox.net/</a>	GPLv2	Modified
clinkc	2.4	<a href="https://sourceforge.net/projects/clinkc/">https://sourceforge.net/projects/clinkc/</a>	BSD	Modified

conntrack-tools	1.4.3	<a href="https://git.netfilter.org/conntrack-tools/">https://git.netfilter.org/conntrack-tools/</a>	GPLv2	Used
dnsmasq	2.78	<a href="http://www.thekelleys.org.uk/dnsmasq/doc.html">http://www.thekelleys.org.uk/dnsmasq/doc.html</a>	GPLv2	Modified
dropbear	2022.83	<a href="https://github.com/mkj/dropbear">https://github.com/mkj/dropbear</a>	MIT	Modified
ebtables	2.0.10-4	<a href="https://git.netfilter.org/ebtables/">https://git.netfilter.org/ebtables/</a>	GPLv2	Modified
eventlog	0.2.10	<a href="https://github.com/balabit/eventlog">https://github.com/balabit/eventlog</a>	BSD	Used
expat	2.5.0	<a href="https://github.com/libexpat/libexpat">https://github.com/libexpat/libexpat</a>	MIT	Used
ez-ipupdate	3.0.11b8	<a href="http://ez-ipupdate.com/">http://ez-ipupdate.com/</a>	GPLv2	Modified
gettext	0.16	<a href="http://www.gnu.org/software/gettext/">http://www.gnu.org/software/gettext/</a>	GPLv2	Used
glib	2.37.7	<a href="http://www.gtk.org/">http://www.gtk.org/</a>	LGPLv2	Used
iproute2	2.6.33	<a href="https://github.com/shemminger/iproute2">https://github.com/shemminger/iproute2</a>	GPLv2	Modified
iptables	1.4.21	<a href="https://git.netfilter.org/iptables/">https://git.netfilter.org/iptables/</a>	GPLv2	Modified
jpegsrvc	v9a	<a href="http://www.iij.org/">http://www.iij.org/</a>	IJG	Used
json-c	0.13.1	<a href="https://github.com/json-c/json-c/downloads">https://github.com/json-c/json-c/downloads</a>	MIT	Modified
libedit	20080712-2.11	<a href="http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/">http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/</a>	BSD	Modified
libffi	3.0.11	<a href="http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/">http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/</a>	MIT	Used
libiconv	1.11.1	<a href="http://www.gnu.org/software/libiconv/">http://www.gnu.org/software/libiconv/</a>	LGPLv2	Modified
libnetfilter_conntrack	1.0.4	<a href="https://git.netfilter.org/libnetfilter_conntrack/">https://git.netfilter.org/libnetfilter_conntrack/</a>	GPLv2	Used
libnetfilter_queue	1.0.2	<a href="https://git.netfilter.org/libnetfilter_queue/">https://git.netfilter.org/libnetfilter_queue/</a>	GPLv2	Used
libnfnetlink	1.0.1	<a href="https://git.netfilter.org/libnfnetlink/">https://git.netfilter.org/libnfnetlink/</a>	GPLv2	Used
libnl-tiny	0.1	<a href="https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny">https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny</a>	GPLv2/LGPLv2.1	Used
libpcap	1.1.1	<a href="http://www.tcpdump.org">www.tcpdump.org</a>	BSD	Used
libtool	2.4	<a href="http://www.gnu.org/software/libtool/">http://www.gnu.org/software/libtool/</a>	GPLv2	Used
libusb	1.0.9	<a href="https://sourceforge.net/projects/libusb/">https://sourceforge.net/projects/libusb/</a>	LGPL 2.1	Used
Linux/Arm Kernel	4.1.52			Modified
logrotate	3.7.1	<a href="https://launchpad.net/ubuntu/hardy/i386/logrotate/">https://launchpad.net/ubuntu/hardy/i386/logrotate/</a>	GPLv2	Modified
mailsend	1.17b15	<a href="https://github.com/muquit/mailsend/">https://github.com/muquit/mailsend/</a>	BSD	Modified

ncurses	5.7	<a href="http://ftp.gnu.org/pub/gnu/ncurses/">http://ftp.gnu.org/pub/gnu/ncurses/</a>	MIT	Modified
net-snmp	5.8	<a href="http://www.net-snmp.org/">http://www.net-snmp.org/</a>	BSD/BSD-like	Modified
ntfs-3g	2022.10.3	<a href="http://ntfs-3g.org">http://ntfs-3g.org</a>	GPLv2/LGPLv2	Used
ntpclient	2007_365	<a href="http://doolittle.icarus.com/ntpclient/">http://doolittle.icarus.com/ntpclient/</a>	GPLv2	Modified
openssl	3.1.2	<a href="http://www.openssl.org">http://www.openssl.org</a>	OpenSSL	Modified
popt	1.16	<a href="http://rpm5.org/files/popt/">http://rpm5.org/files/popt/</a>	MIT	Modified
ppp	2.4.3	<a href="http://www.roaringpenguin.com/pppoe">http://www.roaringpenguin.com/pppoe</a>	GPLv2/BSD	Modified
pure-ftpd	1.0.50	<a href="http://pureftpd.org">http://pureftpd.org</a>	ISC/BSD	Modified
radvd	1.8	<a href="http://www.litech.org/radvd/">http://www.litech.org/radvd/</a>	BSD	Used
readline	5.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rlt_op.html">http://cnswww.cns.cwru.edu/php/chet/readline/rlt_op.html</a>	GPLv2	Used
samba	3.6.25	<a href="http://www.samba.org/samba/">http://www.samba.org/samba/</a>	GPLv3	Modified
sqlite	3.6.23.1	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>	Public Domain License	Used
syslog-ng	3.38.1	<a href="https://github.com/balabit/syslog-ng">https://github.com/balabit/syslog-ng</a>	GPLv2	Used
tcpdump	4.99.4	<a href="http://www.tcpdump.org/">http://www.tcpdump.org/</a>	BSD	Used
udhcp	0.9.8	<a href="http://udhcp.busybox.net/">http://udhcp.busybox.net/</a>	GPLv2	Modified
usb-modeswitch	2.1.0	<a href="http://www.draisberghof.de/usb_modeswitch/">http://www.draisberghof.de/usb_modeswitch/</a>	GPLv2	Used
util-linux	2.21.2	<a href="https://github.com/karelzak/util-linux/">https://github.com/karelzak/util-linux/</a>	GPLv2	Used
wide-dhcpv6	20080615	<a href="https://sourceforge.net/projects/wide-dhcpv6/">https://sourceforge.net/projects/wide-dhcpv6/</a>	BSD	Modified
quagga	1.2.4	<a href="https://github.com/Quagga/quagga">https://github.com/Quagga/quagga</a>	GPLv2	Used
Zlib	1.2.7	<a href="https://github.com/madler/zlib">https://github.com/madler/zlib</a>	zlib	Used
miniupnp	2.3.1	<a href="https://github.com/miniupnp/miniupnp">https://github.com/miniupnp/miniupnp</a>	BSD	Used

## Known issues

Modules	Issue	Risk Impact Information
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## Modifications in 5.17(ABPC.5.3)C0

- Feature Enhancement

Modified Modules	Features Enhancement List
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### Modifications in 5.17(ABPC.5.3)b1

- Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	[#220429][CVE-2024-8748] [Zyxel-SI-1576] [Vulnerability] Unauthenticated buffer overflow in VMG8825-T50.
	[#220430][CVE-2024-9197] Zyxel-SI-1583 [Vulnerability] Buffer overflow and potential command injection vulnerabilities in VMG3625-T50B.

### Modifications in 5.17(ABPC.5.2)C0

- Feature Enhancement

Modified Modules	Features Enhancement List
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### Modifications in 5.17(ABPC.5.2)b1

- Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	[#213686][CVE-2024-38266, 38267, 38268, 38269][Zyxel-SI-1559] Multiple authenticated buffer overflow vulnerabilities.

### Modifications in 5.17(ABPC.5.1)C0

- Feature Enhancement

Modified Modules	Features Enhancement List
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## Modifications in 5.17(ABPC.5.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#211607] [CVE-2024-5412][Zyxel-SI-1557][Vulnerability] Unauthenticated heap buffer overflow in the libclinkc library.

## Modifications in 5.17(ABPC.5)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
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## Modifications in 5.17(ABPC.5)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List
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- **Bug Fixed**

Modified Modules	Bug Fixed List
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## Modifications in 5.17(ABPC.5)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
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- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#204907] [CVE-2024-0816][Zyxel-SI-1536] [Vulnerability] Buffer overflow vulnerability in the "traceroute" command.

	[#240200940] PEN test report issue 3.1.2
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## Modifications in 5.17(ABPC.5)b2

- **Feature Enhancement**

<b>Modified Modules</b>	<b>Features Enhancement List</b>
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- **Bug Fixed**

<b>Modified Modules</b>	<b>Bug Fixed List</b>
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