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

Firmware Release Note

V5.17(ABPC.8.1)C0

Date:	Aug 28, 2026
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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
2025/05/16	8.1	PeiPing Chen	FW release for V5.17(ABPC.7)b1
2025/07/11	8.2	PeiPing Chen	FW release for V5.17(ABPC.7)b2
2025/08/29	8.3	PeiPing Chen	FW release for V5.17(ABPC.7)b3
2025/09/16	8.4	PeiPing Chen	FW release for V5.17(ABPC.7)b4
2025/10/03	8.5	PeiPing Chen	FW release for V5.17(ABPC.7)b5
2025/10/22	8.6	PeiPing Chen	FW release for V5.17(ABPC.7)C0
2025/12/19	8.7	PeiPing Chen	FW release for V5.17(ABPC.7.1)b1
2025/12/19	8.8	PeiPing Chen	FW release for V5.17(ABPC.7.1)C0
2026/03/25	8.9	PeiPing Chen	FW release for V5.17(ABPC.7.2)b1
2026/03/25	8.9	PeiPing Chen	FW release for V5.17(ABPC.7.2)C0

2026/05/20	9.1	PeiPing Chen	FW release for V5.17(ABPC.8)b1
2026/05/26	9.2	PeiPing Chen	FW release for V5.17(ABPC.8)b2
2026/06/08	9.3	PeiPing Chen	FW release for V5.17(ABPC.8)b3
2026/06/08	9.4	PeiPing Chen	FW release for V5.17(ABPC.8)C0
2026/08/12	9.5	PeiPing Chen	FW release for V5.17(ABPC.8.1)b1
2026/08/21	9.6	PeiPing Chen	FW release for V5.17(ABPC.8.1)b2
2026/08/27	9.7	PeiPing Chen	FW release for V5.17(ABPC.8.1)b3
2026/08/28	9.8	PeiPing Chen	FW release for V5.17(ABPC.8.1)C0

PX7501-B0/AX7501-B0/AX7501-B1/PM7510-00
Generic
V5.17(ABPC.8.1)C0
Release Note

Date: Aug 28, 2026

Supported Platforms:

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

Versions:

Firmware Version : V5.17(ABPC.8.1)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 : 1.27
EasyMesh: Release 2
TR-369 agent: 6.0.2

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/shemminger/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
jpegsrc	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	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
libnfnetlink	1.0.1	https://git.netfilter.org/libnfnetlink/	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/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	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.8.1)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on 5.17(ABPC.8.1)b3, Change to FCS version

Modifications in 5.17(ABPC.8.1)b3

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#259518][MGMT] CPE will logout after modify MGMT server function.

Modifications in 5.17(ABPC.8.1)b2

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#259126][Wizard] Use Wizard configure WAN select PPPoE mode. Finish the setting, go to Broadband page WAN mode is IPoE.

Modifications in 5.17(ABPC.8.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#256617][CVE-2026-12489] Zyxel-SI-1680 [Vulnerability] GUI access to restricted menu pages vulnerability.

Modifications in 5.17(ABPC.8)C0

- **Feature Enhancement**

Modified	Bug Fixed List

Modules	
FCS	Based on 5.17(ABPC.8)b3, Change to FCS version

Modifications in 5.17(ABPC.8)b3

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#255027][eITS#260500085]Force password change of user - entered passwords not equal(PE3101).

- **Feature Enhancement**

Modified Modules	Bug Fixed List
GUI	[#255028][eITS#260500086]force change password page, change wording.

Modifications in 5.17(ABPC.8)b2

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#254477][CVE-2026-2291, CVE-2026-4890, CVE-2026-4891, CVE-2026-4892, CVE-2026-4893] Zyxel-SI-1675 [Vulnerability] Multiple vulnerabilities in dnsmasq.

Modifications in 5.17(ABPC.8)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#253452][CVE-2026-6952] Zyxel-SI-1666 [Vulnerability] A post-authentication command injection vulnerability exists in the syslog component.

- **Feature Enhancement**

Modified Modules	Bug Fixed List
WAN	[#243594][eITS#251001104]Old routing issue between L3 interfaces on ONT and WAN.

Modifications in 5.17(ABPC.7.2)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on 5.17(ABPC.7.2)b1, Change to FCS version

Modifications in 5.17(ABPC.7.2)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#251406][CVE-2026-1460] Zyxel-SI-1653 [Vulnerability] post-authentication command injection vulnerability in the DomainName parameter of the DHCP configuration file.
	[#251407][CVE-2026-0711] Zyxel-SI-1650 [Vulnerability] Post-authentication command injection vulnerabilities in the EasyMesh related APIs.

Modifications in 5.17(ABPC.7.1)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on 5.17(ABPC.7.1)b1, Change to FCS version

Modifications in 5.17(ABPC.7.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#246922][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.
	[#246923][CVE-2025-13942、CVE-2025-13943] Zyxel-SI-1644 [Vulnerability] Command injection vulnerabilities in zupnp and zhttpd binaries in customized firmware.

Modifications in 5.17(ABPC.7)C0

- **Bug Fixed**

Modified Modules	Bug Fixed List
FCS	Based on 5.17(ABPC.7)b5, Change to FCS version

Modifications in 5.17(ABPC.7)b5

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#242612][System] [Time Zone page] CLI will print "Invalid memory segment access" when Time Zone select non-default country.

Modifications in 5.17(ABPC.7)b4

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#241575][System] CPE Help Link URL error.
MPro Mesh	[#228406][MPro Mesh][Zyxel One_Agent] The Uptime is different in Agent's System Info card page and APP detail information page.
TR-369	[#236116][ACTS][Mpro Mesh][TR-369] Mutiple Parameter missing.
	[#236211][ACTS][Mpro Mesh][TR-369] Fail to check AssociationEvent: failconnection.

Modifications in 5.17(ABPC.7)b3

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerability	[#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 zhttpd 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.

- **Feature Enhancement**

Modified Modules	Features Enhancement List
WLAN	[#240792][eITS#250700234]Support for optional Traffic Separated SSIDs.
MPro Mesh	[#240944][eITS#250401446] Feature request to add easy Mesh Reboot option from cli.
GUI	[#240959][eITS#250601863] Use the term Wi-Fi instead of wifi in the GUI.
IPv6	[#240953][eITS#250200028] Routing is still possible in the environment even when no RA (Router Advertisement) messages are sent.

Modifications in 5.17(ABPC.7)b2

- **Bug Fixed**

Modified Modules	Bug Fixed List
MPro Mesh	[#225320][MPro Mesh][Zyxel One_Agent] Enable guest wifi via APP, it will lead two RP_Agent auto config fail.
GUI	[#236925][eITS#250601302]Error on Secutiry >> MAC Filter text in Spanish.
TR369	[#235796][TR-369] After reboot CPE, CPE disconnect websocket TR-369

	server.

Modifications in 5.17(ABPC.7)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
MPro Mesh	[#197859][eITS#230300767]EX5601, MProMesh App feature request to include guest isolation level
APP	[#234515]#16 [Feature] Extend local APP session timeout time
GPON	[#224999][xPON] Support SLID(GPON password or registration ID) won't back to default after system reset to default.
System	[#231319]Mesh is enabled by default and is not configurable in the GUI.
	[#234275][eITS#240401289][OPAL OS] system log for OOM killer (Out Of Memory Killer)
	[#234518]#13_Block special character in the account user name field
	[#234510][eITS#250100964] Support ROM-D defined GUI change password rule
	[#234678][eITS#250200287] add 'screen' utility to FW
GUI	[#234513][eITS#240900420] Explain pictographic explanation of Guest Access Scenario
	[#234278]WEB GUI meets the request of Europe EAA (European Accessibility Act)
	[#234514][eITS#241200053] Change values of Traffic Status from Byte to MB or GB
	[#234679][eITS#250100038] Implement Wi-Fi SSID Split while Mesh is active from CPE GUI
	[#234680][eITS#250301657] Remove warning message change when bands are decoupled
	[#234517][Feature] Follow RESTFul API, add APPUICustomization Parameters
WLAN	[#234274][eITS#230701179] Synchronize X_ZYXEL_CountryInBeacon values in mesh.
	[#234508]Support of Generic DataElements parameters
VoIP	[#234504][eITS#240700831] Carry voice over IPV6

	[#234511][eITS#250100461] increase SIP Accounts from 4 to 5 per SIP provider and 10 SIP Accounts in total
	[#234512][eITS#241200677] Voice Fallback IPv6 > IPV4 (in case of a DualStack IPv4v6 interface).
Time	[#234506][Feature] Timezone Auto Detect
	[#234519][Feature] Timezone Auto Detect parameter in RESTful API
Parental Control	[#234507][Feature] Parental Control Overnight feature
DDNS	[#234761][eITS#241101470] Dynamic DNS & IPv6

- **Bug Fixed**

Modified Modules	Bug Fixed List
TR069	[#217105][TR-069] After CPE set static WAN IP and unplug / plug WAN cable during connection process, CPE can't get ACS connection request any more.
TR369	[#224480][TR-369] While TR-369 Local Agent -> General is enable, add MQTT rule. GUI display incorrect.
System	[#224454][Security] Home Security function cannot work for https.
Vulnerability	[#234265][CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow.
	[#234267][eITS#250400461] CVE-2024-6531: Bootstrap v4.6.2 Vulnerability.

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 zhttpd 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.

Modifications in 5.17(ABPC.6.1)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.6.1)b1, Change to FCS version

Modifications in 5.17(ABPC.6.1)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Vulnerability	[#229959] EN18031 OPAL20 product compliance release.
System	[#229966] WEB GUI meets the request of Europe EAA (European Accessibility Act).

- **Bug Fixed**

Modified Modules	Bug Fixed List
PON	[#229794][#250200418] AX7501-B1 DS throughput is low with test tool "cnlab".

Modifications in 5.17(ABPC.6)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.6)b3, Change to FCS version

Modifications in 5.17(ABPC.6)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Log	[#225561][EN18031][Log] Add some logs when end users change their profile on GUI.
SSH	[#225569][EN18031][SSH] Remove insecure cipher suit for dropbear SSH
CVE	[#225577][EN18031][CVE] Fixed CVE. libxml2 : CVE-2022-23308, CVE-2022-40303, CVE-2024-25062 nghttp2 : CVE-2023-35945, CVE-2023-44487 pppd : CVE-2006-2194, CVE-2014-3158, CVE-2015-3310, CVE-2018-11574, CVE-2020-8597

- **Bug Fixed**

Modified Modules	Bug Fixed List
System	[#222229][#241001515] EX3301, Unable to perform SCP file transfers
Vulnerability	[#225282]Zyxel-SI-1591 [Vulnerability] Post-authentication command injection vulnerability in the function "ZyEE"
	[#225290]Zyxel-SI-1592 [Vulnerability] Post-authentication command injection vulnerability in the email sending function

Modifications in 5.17(ABPC.6)b2

- **Feature Enhancement**

Modified	Features Enhancement List

Modules	
DHCP	[#215808][#240200611] EX5601, MAP-T issue with s46-portparams
System	[#218204][#240900304] AX7501, Add SFP support: SFP-10G-BXU-LR20
	[#218205][#240900307] AX7501, Add SFP support: SFP-10G-BXD-LR20
	[#218209][#240900308] AX7501, Add SFP support: SFP10GBXULR20
	[#218210][#240900309] AX7501, Add SFP support: SFP-10G2733-20D
	[#218211][#240900311] AX7501, Add SFP support: SFP-10G2733-20
	[#218213][#240900320] AX7501, Add SFP support: SFP10GBXULR
	[#220028] Will not force Web http redirect to https.
	[#205282] [#240101611] IOP with 1G P2P transceiver ZYXEL SFPBCI-10DS for AX 7501-B
	[#221961][#240801627] Conditional ROM convert for Guest WiFi password scheme enhancement.

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#217020] [GUI] The unit and number should be separated for "Connection Uptime" of wireless client in Connectivity List page
GUI	[#217021] [System] It should be "GPON Serial Number" instead of "GPON serial number" in System Info page.
GUI	[#217025] [System] There's no blank space between the number and seconds in Connection Uptime.
LED	[#217031] [LED] USB LED display off, While plug in ADATA HD to DUT.
GUI	[#217101] [MGMT] Select "Local Certificate Used by TR-069 Client" then press Apply, the column will display empty.
Security	[#217103] [TR-069] CPE can't connect to ACS server(10.10.100.55) after Import Certificate(ipv4_openssl3.crt).
WAN	[#217192] [WAN] When set IPv6 Address of PPPoE WAN from Dynamic to Static, System Info will show 2 IPv6 Address
WLAN	[#217244] [WLAN] WLAN Station Status & Connectivity card oage very slow when CPE connect to 60 STA (Test by 學禮樓)
OMCI	[#217645] [OMCI] QinQ work fail

TR-369	[#217680] [TR369] CPE upgrade FW fail via TR-369.
TR-069	[#217706] [TR-069] AX7501 should support parameter to Control LED
Security	[#220432] [CVE-2024-9197] Zyxel-SI-1583 [Vulnerability] Buffer overflow and potential command injection vulnerabilities in VMG3625-T50B (Medium)
Security	[#220433] [CVE-2024-8748] [Zyxel-SI-1576] [Vulnerability] Unauthenticated buffer overflow in VMG8825-T50

Modifications in 5.17(ABPC.6)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
SFP	[#209514][#240400095] AX7501, Add SFP support: OP3420D
	[#209515] [#240400094] AX7501, Add SFP support: OP4420D-34
GUI	[#210098][ENHANCE] Change GPON status to Optical status
	[#215819][#240701741]Add "GPON SN, gateway IP and connection up time for WAN and WLAN client" in system Info page.
TR369	[#215603][#230900654] implementation request / WebSocket
	[#215609][#231000272] Certificate management for websocket
	[#215653][#231001817] Web GUI configuration for websocket
APP	[#215704][APP] Zyxel One APP implement
DHCP	[#214527][#240600337] DHCP option 43 - ACS information
System	[#215679][Security][TSA] V.E.4 : Downgrade protection.
	[#215747][Enhance] Open Source Packages Upgrade - Phase I
	[#215800][#240301447] Guest WiFi password scheme enhancement
	[#215696]SFP Management GUI modification.

● Bug Fixed

Modified Modules	Bug Fixed List
Security	[#215759][Security] SSH Weak Host Key Algorithm
	[#215794][Security] SNMP Agent Default Community Name

	(public, private)
MPro Mesh	[#209165][MPro Mesh_Agent] When turn off APP LED in Home page icon, Controller LED will dark but all AP/RP_Agent still on.

Modifications in 5.17(ABPC.5.3)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.5.3)b1, Change to FCS version

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
FCS	Based on 5.17(ABPC.5.2)b1, Change to FCS version

Modifications in 5.17(ABPC.5.2)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Vulnerabilit	[#213686][CVE-2024-38266, 38267, 38268, 38269][Zyxel-SI-1559]

y	Multiple authenticated buffer overflow vulnerabilities.
TR069	[#213134][#240600932] AX7501, TR069 communication issue with authentication, see 240501006.
System	[#213503][#240600746] AX7501, Rejecting firmware due to WebGUI https CA handling and http shut down decision.

Modifications in 5.17(ABPC.5.1)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.5.1)b1, Change to FCS version

Modifications in 5.17(ABPC.5.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#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
OpenSSL 3.1.2	**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 strength is SHA256).

FCS	Based on 5.17(ABPC.5)b4, Change to FCS version

Modifications in 5.17(ABPC.5)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List
ZYEE	[#184745][#220400813]Container based F-secure.

- **Bug Fixed**

Modified Modules	Bug Fixed List
MPro Mesh	[#207915][#240300916] AX7501 Guest network not working from a wired WX5600 AP.
TR-069	[#207724][#240200784] GPN Device.WiFi.
	[#209014][#230201031] Wrong event types sent after fw upgrading.
	[#209016][#230801660] Change GUI language by TR069
TR-369	[#207777][DST] TR-369 setting does not match DST.
GUI	[#208359][#240301182] Conditionally unable to open Connectivity List and add new Parental Control rule.
	[#209013][#230900302] VLAN Group - GPON bridge
Configuration	[#208358][#240100410] EX5401, Custom ROMD configuration handling moving from ABYO3->5 and traffic separation from EM1->EM2.
VoIP	[#208697][#240101401] CPE cannot receive Some Incoming Calls after Huawei adds the new SIP service port 5062 to the Soft Switch (SS).

Modifications in 5.17(ABPC.5)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
LED	[#197861][eITS#230400862] EMG3525-T50B LED control

CLI	[#205726][eITS#231200465] EX5501 + OPAL family, Feature improvement request - WAN ip lease time
System	[Feature]Support PM7510 series.
SFP	[#206180][#240200476] AX7501-B1 / not supported SFP-31W2ASM10-DR (1GB).
	[#206184][#240200485] AX7501-B1 / not supported SFP-31W2ASM10-DR (1GB).
	[#206383][#240200555] AX7501, Add SFP support - GLC-BX-U-1315-20-SC-O.
	[#206948][#240201326] AX7501, Add SFP support - GLC-BX-D-1513-20-O.
	[#206944][#240201524] AX7501, Add SFP support - APSB53123CDL20.
	[#206943][#240201523] AX7501, Add SFP support - APSB35123CDS20.

- **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

Modifications in 5.17(ABPC.5)b2

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#182233: [ETSI EN 303 645] 5.3-2: When the device is not a constrained device, it shall have an update mechanism for the secure installation of updates.
	[#197870] [#230601286]End users are complaining about - DNSmasq vulnerabilities and symptoms
	[#197875] [ENHANCEMENT] Enhancement Request for EX3510/EX5510/EX7710 - MAC filter - MAC address mask.

	[#197866] [Security] Setting Up the Password Strength
	[#198184] OPAL Generic Reboot 頁面設計
CLI	[#183196][#230101253] AX7501, From CLI, display remaining lease time on WAN ip lease
	[#197869] [#230500277] EX5601, CLI cfg command to IGMP snooping
SFP	[#196137] [#230800888] AX7501-B0/B1, New SFP: OP3401G
MPro Mesh	[#197859] [#230300767]EX5601, MProMesh App feature request to include guest isolation level
TR369	[#197860] Support TR369
XMPP	[#197863] [#230601075] XMPP / STUN server support
GUI	[#197868] [#230301802]EX5601, Feature enhancement - Add connected LANport to client information
OpenSSL	[#198737] upgrade OpenSSL to 3.1.2
DHCP	[#200612] [#231000756]Feature Request - DHCP opt 12
TR069	[#202038] [#231101419] How to change DOS Protection Blocking with TR098
	[#202272] [#231000006] IoT SSID (FRQ to propagate 3 parameters from the controller to the agents)

- **Bug Fixed**

Modified Modules	Bug Fixed List
IPv6	[#202652] [#231101110] IPv6 from PPPoE connection is lost – continues
System	[#197862] [CVE-2011-5053][Zyxel-SI-1498][Vulnerability] WPS vulnerability on CPE in WLAN.
	[#197864] [System] Wish description Protected Management Frames want to abbreviation, should change to PMF not show Protected MGMT Frames.
	[#197865] [Security] Unauthenticated Access to APIs
	[#197867] [Security] Session/Cookie Security Test
	[#198046] [Security] Outdated Software
	[#198052] [Security] Header Security Test
	[#199670] [CVE-2023-37929][Zyxel-SI-1506][Vulnerability] Post-

	authentication buffer overflow.
	[#199704] Upgrade curl to 8.4.0

Modifications in 5.17(ABPC.4)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.4)b6, Change to FCS version

Modifications in 5.17(ABPC.4)b6

- **Bug Fixed**

Modified Modules	Bug Fixed List
MPro Mesh	[#196683][MPro Mesh] AX7501 Perform Mesh Full Factory Reset.
TR143	[#196943][#230701028] UploadDiagnostic fail AX 7501-B1.

Modifications in 5.17(ABPC.4)b5

- **Bug Fixed**

Modified Modules	Bug Fixed List
IPv6	[#195460][#230600277] AX7501, prefix changed on br0 after upgrade
System	[#195609][#230600128] EX5401-Bootloop Issue

Modifications in 5.17(ABPC.4)b4

- **Bug Fixed**

Modified Modules	Bug Fixed List
IPv6	[#193985][#230700605] IPv6 from PPPoE connection is lost.
TR143	[#192499][#230601511] AX7501-B1 - Query returns wrong result.
MPro Mesh	[#190961][MPro Mesh_Agent] Gateway Internet Speed does not

	work.
	[#182873][#230600828] AX7501, Disabling Mesh does not bring down the backhaul, which is still broadcasted as a hidden SSID

- **Feature Enhancement**

Modified Modules	Features Enhancement List
SFP	[#192796][#230601569] Active Fiber SFP Transceiver works not in the AX 7501-B1.
WLAN	[#192624][#230600825] AX7501, SSID naming logic when disabling mesh and allowing separate SSIDs.

Modifications in 5.17(ABPC.4)b3

- **Bug Fixed**

Modified Modules	Bug Fixed List
TR069	[#187630][#230400446] AX7501, iPerf from TR069 fail if the iPerf parameters are sent in separate SPVs.
Security	[#190137][#230500907] Possible security flaw that allows to retrieve root password.

Modifications in 5.17(ABPC.4)b2

- **Feature Enhancement**

Modified Modules	Features Enhancement List
MPro Mesh	[#186282][OPAL Generic] Controller Guest (1/2/3) WiFi on/off 下放到 Extender.
	[#184243][OPAL Regular] support APP 3.0
GUI	[#184844] Networks Topology.
	[#184762][GUI] Compact help link adding into GUI.
	[#184761][OPAL Generic] GUI translation_ES_NL.
	[#182309][OPAL Generic] No QoS setup page on OPAL for xPON products.

	[#188589][#221000063] Change the wording in SteerStatus.
	[#188521][#220901659] Translation error WIFI password strength at DX3301.
	[#188520][#220901550] Translation error WIFI password strength.
System	[#184836] Support Web http redirect to https.
	[#184776] Console redirect/Zconsole monitor.
	[#182244][ETSI EN 303 645] The consumer IoT device shall protect the confidentiality of critical security parameters that are communicated via remotely accessible network interfaces.
	[#188519][#221101418] OPAL, Partial factory reset option with firmware upgrades. (tr069/gui) 220701077.
	[#188518][#220701077][System] OPAL, Feature proposal/request - Soft-Reset feature.
Syslog	[#182251][ETSI EN 303 645] 5.8-2: The confidentiality of sensitive personal data communicated between the device and associated services shall be protected, with cryptography appropriate to the properties of the technology and usage.
DNS	[#187138][#221102029] EX5501, Proxy DNS - Primary to Secondary fallback method.
Interface Group	[#186408][#230100744] EX5601, bridge config improvement.
VOIP	[#186396][#221101135][EX5601-T0] Grain IT - TLS encrypt the SIP signaling.
IPv6	[#184828][#221200506] Configuration of the AFTR should be possible with URL.
DHCP	[#184823][#220900410] DHCP option providing CPE firmware version.
WIFI	[#188608][#220901661] EX5601, Configurable WiFi Country Code (ISO 3166-1 alpha-2).
	[#188590] [#230200423] WX5600-T0 TR-098 support for WiFi X_ZYXEL_CountryCode.
SFP	[#186886][#230301237] AX7501, Support for SFP: METRIC MI-SF34G1-020AD

	[#186887][#230301236] AX7501, Support for SFP: Hexatronic BX10-U

- **Bug Fixed**

Modified Modules	Bug Fixed List
DNS	[#188691][#230400106] EX3301-T0 / DNSProxy issue when Primary DNS unreachable.
MPro Mesh	[#188671][#230400635] WX3401 not able to join mesh with EX5401 or AX7501 and Guest Network.
	[#187014][#230301473] AX7501, WX3401 not able to join mesh with AX7501 with Guest Network.
TR069	[#188595][#230301653] EX5601, CurrentTime not reporting in accordance to the TR-069 standard.
	[#188594][#230201161] WX5600, enable/disable SSH via ACS.
	[#183352][#221101357] Issues with setting some parameters via TR069
	[#183355][#220401035][TR-069] SPV WiFi BeaconType failed
	[#186185][##230300897] AX7501, iPerf from tr069 fail, DownloadDiagnostics not ok, UploadDiagnostics ok.
Certificates	[#188593][#230300429] EX5601, certificate Common Name doesn't match host name.
ROMD	[#188592][#221200930] EX5601, romd backup include option 125 devices specific option value.
	[#184817][#230100138] Rom-d backup.
GUI	[#188591][#230300494] EX3301, GUI menu visible prior to login.
WLAN	[#186384][#230100382] EX5601, Not possible to enable 5GHz WiFi in GUI, if WiFi first is turned off by physical button.
	[#184684][#220601144] WiFi button not working correct (behavior change).
IPv6	[#184810][#221200452] Activate IPV6 Default gateway by TR069.
DHCP	[#184804][#221101734] No Management connection with new FW Version.
NTP	[#184799][#220900371] NTP Time Server URL cannot support "-".
System	[#184254][CVE-2022-4203,4304,4450][CVE-2023-

	0215~0217,0286,0401][Zyxel-SI-1464] [Vulnerability] OpenSSL multiple vulnerabilities
	[#182874][#230101319] AX7501, Lifemote trigger uncontrolled memory usage with script that is working for all other device types

Modifications in 5.17(ABPC.3)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.3)b4, Change to FCS version.

Modifications in 5.17(ABPC.3)b4

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#178839][Security]Zyxel-SI-1441 [Vulnerability] Hidden SSID and symbolic Links in ftpd of AX7501-B0. - Add romcovert
TR069	[#180454][#221200772] AX7501, TransferComplete messages without Start/Complete Time value, reference: 221100865
System	[#221001669] Broken devices - When this issue happen, the data partition would broke and restore to default.

Modifications in 5.17(ABPC.3)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Iperf	[#164238][#220400115] AX7501, include MAC-ranges for iPerf.

- **Bug Fixed**

Modified	Bug Fixed List

Modules	
Security	[#178839][Security]Zyxel-SI-1441 [Vulnerability] Hidden SSID and symbolic Links in ftpd of AX7501-B0
TR069	[#178738][#221100670] Can't modify the WAN interface default gateway by TR069
GUI	[#177126][WLAN] When Wireless only enable 2.4G or 5G, GUI doesn't show Wi-Fi QR code

Modifications in 5.17(ABPC.3)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
System	[#175627][#221000644] AX7501, Support for SFP OP4420D-35
	[#174570][#220901591] AX7501, Add SFP support

● Bug Fixed

Modified Modules	Bug Fixed List
IPv6	[#175301][#221000378] ZYX-409 AX7501 - dhcp6c breaks on UnspecFail advertisements
	[#175290][#221000377] ZYX-407 AX7501 - Client does not send router advertisements on LAN with prefix lifetimes based on IA_PD lifetimes
	[#175288][#221000376] ZYX-406 AX7501 - DUT does advertise itself as a default router when WAN RA lifetime is 0
	[#175287][#221000374] ZYX-405 AX7501 - Two DHCPv6 Solicit packages are sent after renew and rebind fails
	[#175286][#221000373] ZYX-404 AX7501- After some time, prefix delegation DHCPv6 client on WAN interface stops
	[#220900584] ZYX-342, Packets sent to unreachable subnets in the delegated prefix are not dropped
WAN	[#173876][#220801049][330379] AX7501-B0 / P2P firmware sends 2 Mac addresses requests
UPnP	[#173212][#220900242] AX7501, UPnP doesn't work on .2C0

Security	[#176288]Zyxel-SI-1433 [Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability for AX7501-B1 Generic

Modifications in 5.17(ABPC.3)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#164754][Feature] Support PX/AX7501-B1
WIFI	[#172100][Feature] Upgrade wlan driver to 17.10.188.75
MPro Mesh	[#171367][Feature] Support EasyMesh R2

- **Bug Fixed**

Modified Modules	Bug Fixed List
PON	[#171525][#220701134] Downstream corrected and uncorrected FEC blocks AX 7501-B0
WIFI	[#169504][VMG3625-T50B] WiFi button not working correct - Align WiFi on/off behavior with HW button and GUI.

Modifications in 5.17(ABPC.2.1)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.2.1)b2, Change to FCS version.

Modifications in 5.17(ABPC.2.1)b2

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Iperf3	[FEATURE] Update checking policy for iperf3 license.

Modifications in 5.17(ABPC.2.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
PON	[FEATURE][#166924][#220200664] AX7501 bridge configuration
SFP	[FEATURE][#167013][#220500514] Problem AX7501-B0 with 10GBASE-T SFP+ (RJ45)
	[FEATURE][#169065][#220601041] AX7501, Fiberworks 10G SFPs
	[FEATURE][#163999][#220301699] AX7501, XGS-PON OP49N2-SU support

● Bug Fixed

Modified Modules	Bug Fixed List
PON	[BUGFIX][#169644][#220601090][320028] AX7501-B0 / Does not synchronize with the new firmware.
	[BUGFIX][#169648][#220601424] Wrong speed mode on 2F0
	[BUGFIX][#169636][#220601441] After the upgrade the ont is xgpon
	[BUGFIX][#165249][#220400806](ZYX-338 AX7501, PON not working after reset).
	[BUGFIX][#170576][#220600695] AX7501 - ONT Mismatch between actual and planned upstream rate
	[BUGFIX][#170684][#220701000] LAN port shut down issue.
	[BUGFIX][#170380][#220700783] Customer reports that PPPoE WAN disappear on GUI with ZTE OLT in the morning

● Issues have been enhanced

Modified Modules	Bug Fixed List
PON	[BUGFIX][#170379][#220700765] Adding services without reboot

Modifications in 5.17(ABPC.2)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.2)b5, Change to FCS version

Modifications in 5.17(ABPC.2)b5

- **Feature Enhancement**

Modified Modules	Features Enhancement List
GUI	[#166326][OPAL Generic] GUI translation_ES_NL

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#166005][Security] CPE happen "Invalid memory segment access" after Create Certificate Request.

Modifications in 5.17(ABPC.2)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List
WAN	[#164015][#220301711] Allow HTTP/HTTPS access via IPoE interface.
WIFI	[#159699][#220100035] EX5501, Device.WiFi.MultiAP.
Security	[#164360][Vulnerability] Infinite loop in BN_mod_sqrt() of OpenSSL when parsing certificates.

- **Bug Fixed**

Modified Modules	Bug Fixed List
WLAN	[#164007][#220301708] Device sets EasyMesh ON and OFF when

	X_ZYXEL_EXT.EasyMesh.Enable is disabled
	[#164004][#220301715] The TR69 X_ZYXEL_Wireless_Mode for 5Ghz Band-AX Mixed mode value is not consistent
	[#163020][WLAN] 5G Guest SSID switch button doesn't link with 2.4G Guest SSID behavior when onessid is enable.
RemoteMGMT	[#162931][#220300408] Admin login still possible even after mgmt service has been reconfigured AX 7501-B0
Security	[#164250][#220400041] VMG8825, cleartext storage of information.
Iperf3	[#160295][#220100815] AX7501, iperf3 not working

Modifications in 5.17(ABPC.2)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#160480][OPAL Generic] Disable the FTP function.
WPS	[#156352][OPAL Generic] Change WPS button trigger condition.
DHCP	[#161466][#220100965] Support LAN DHCP option 43 suboptions to forward acs url. [#162091][#220300140] AX7501, Requested support for lan dhcp option 43 suboptions using cwmp to forward acs url.
TR069	[#159523][#211200832] Please sent TR069 cnonce in hexadecimal format.
GUI	[#162045][OPAL Generic] Portuguese GUI translation. [#162101][OPAL Generic] French GUI translation. [#162310][OPAL Generic] Italian GUI translation
VoIP	[#153060][#210701730] AX7501 - [ZAB-4] [SIP] Call hold does not work. [#152599][#210701727] AX7501 - [ZAB-7] [SIP] Call is not executed when pound key is present. [#156443][#210601569] Call Hold does not work.

- **Bug Fixed**

Modified Modules	Bug Fixed List
WIFI	[#156808][Wireless] DUT 5G channel on Band 2 (60), smart phone can't connect.
GUI	[#155931][GUI] GUI pop out warm message after key in 72 hex.
VoIP	[#152404][#210701735] AX7501 - [SIP] User-agent format does not follow standard.

Modifications in 5.17(ABPC.2)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
TR-069	[#158392][211200292] Change the GPON serial number for the ACS communication AX 7501-B0.
GUI	[#147787][#210401424] Transceiver information DDMI via CLI WEB GUI AX7501-B0.
	[#157765][#211101024] It is possible to see and check optical power.
WAN	[#158905][#211200757] ROM-D config can only hold one Default Gateway AX 7501-B0.

● Bug Fixed

Modified Modules	Bug Fixed List
Security	[BUGFIX][#146975][Security] L2TP VPN can't work on MultiWAN interface.
WLAN	[BUGFIX][#152457][WLAN] MAC Authentication page does not block duplicate MAC Address.
System	[#157516][System] Portmirror page can't display monitor interface list when no wan connect.
GUI	[#156514][GUI] In bridge <-> routing mode, IPv6 DHCP behavior does not follow IPv4 DHCP.
TR069	[#155173][#210901346]The TR69 X_ZYXEL_Wireless_Mode for 5Ghz Band AX Mixed mode acceptable value is not consistent.

	TR-181: Device.WiFi.Radio.{i}.OperatingStandards TR-098: InternetGatewayDevice.LANDevice.{i}.WLANConfiguration.{i}.X_ZYXEL_OperatingStandards

Modifications in 5.17(ABPC.2)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#155086][Feature Enhancement][AX7501-B0] Support to set specify WAN type [#155208][Feature Enhancement][AX7501-B0] Support XGPON with PM7000-00/01 [#149820][#210600835] EX5501. disable F-secure [#155286][#210401425] AX7501, show sfp link status [#132874][#200701283] EX5501, LED control
IPv6	[#150626][#210600904][230757] AX7501-B0 / RA-MTU
NAT	[#145239][#210200785] Question: PCP (Port Controll Protokol)I support
GUI	[#147255][#210401527] EMG3525 Configure available cards in web-gui [#149438][#210600461] EX5401, disable or optimize client check [#137229][#200901344] Feature request change SLID value AX 7501-B0 [#147975][OPAL Generic] Media Server GUI Change

- **Bug Fixed**

Modified Modules	Bug Fixed List
GUI	[#150913][#210601930] DS-Lite setting missing Automatically configured by DHCPC DX5401-B0
TR69	[#154485][#210900863] EX5501, Value for

	StaticAddressNumberOfEntries does not survive boot

Modifications in 5.17(ABPC.1)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on 5.17(ABPC.1)b7, Change to FCS version

Modifications in 5.17(ABPC.1)b7

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#157660][#211100671] AX7501, support for 3 SFPs [#157783][#211101324] AX7501-B0 Addon ethernet SFP dongle support [#15796][#211101415] 1G SFP transceiver works not AX 7501-B0
TR069	[#155239][#210901600] Change CWMP implementation from SN to GPON SN AX 7501-B0

- **Bug Fixed**

Modified Modules	Bug Fixed List
TR069	[#157272][#211001429] ACS problems with EX5501
IPv6	[#157439][#211000436] IPv6 neighbor not working AX 7501-B0

Modifications in 5.17(ABPC.1)b6

- **Bug Fixed**

Modified Modules	Bug Fixed List
TR069	[#157272][#211001429] ACS problems with EX5501

IPv6	[#157439][#211000436] IPv6 neighbor not working AX 7501-B0

Modifications in 5.17(ABPC.1)b5

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#152090][#210701278] AX7501, eth-sfp doesn't work [#152091][#210701804] AX7501, CTS SFP support [#210701688] AX7501-B0 questions on features - SFP

- **Bug Fixed**

Modified Modules	Bug Fixed List
TR069	[#151496][#210301420] TR069 ACS get parameter / refresh objekt error AX 7501-B0
MPro Mesh	[#152094][#210701811] AX7501, mesh not enabled when enabling via gui

Modifications in 5.17(ABPC.1)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[#150500][#210500683] Transceiver information DDMI via CLI not correct AX7501-B0 - Support 1G AE SFP+: fiberONE SFP-GE-BX20-U, ACAL BFi ABSFBL3412-20DAC - Support 10G AE SFP+: fiberONE SFP-10G-BX10-U [#149934] Support ZYXEL SFP+ AM7000-00
DHCP	[#149486][#210401267] IPv4 DHCP client with 32 MASK works not AX7501-B0.

- **Bug Fixed**

Modified Modules	Bug Fixed List
WAN	[#148622][#210500535]AX7501, IP.Interface in iptables.
System	[#140348][#201200665]AX7501, link issue.

- **Issues have been enhanced**

Modified Modules	Bug Fixed List
VoIP	[#210601494] Random SIP accounts register failure.

Modifications in 5.17(ABPC.1)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	1. [#148279] Multi-language GUI for OPAL generic GW + Extender 2. [#147075][Enhance][AX7501-B0] Support SFP+ THMPRS-3511-10A
OMCI	[#201200573][#148260] Disable Serial Number PLOAM message AX 7501-B0
TR069	[#148406][#210500049] XGSPON- Apply as Default Gateway for IPV6

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#143384][Vulnerability] BRCM "DeAgg & DeFrag Attacks
System	[#140348][#201200665] AX7501, link issue .

Modifications in 5.17(ABPC.1)b2

- **Feature Enhancement**

Modified	Features Enhancement List

Modules	
OMCI	1. [#146603][#210300514] XGSPON: Add WAN interface using Hauwei OLT - Feature only work with F0 config.

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	1. [#146987][#210100668][Vulnerability] Vulnerabilities in Multiple Zyxel Equipment from Sec consult => issue 11
System	1. [#144917][#210300995] Option 43 Enable Broadband setting not possible AX 7501-B0 2. [#144126][System] Language list include "French、Deutsch、Español" .

Modifications in 5.17(ABPC.1)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	2. [#143718][#210200585] Zyxel PX7501-B0 Traffic management option 3. [#125018][#200300516] AX7501, SFP-list config parameter 4. [#140347][#201200664] AX7501, redirect_console 5. [#133328] Set ONU Vendor ID to ZYXE

OPAL Generic	1. [#137763][#201001164] AX7501, support for Lifemote agent 2. [#143252]upgrade WLAN driver to 17.10.121.37 3. [#143397][OPAL] Change time format 00:00-23:59 in Parental control page. 4. [#143457][OPAL Generic] Key Feature - F-Secure 2.3 5. [#143458][OPAL Generic] Key Feature - ZyEE Container 6. [#143464][OPAL Generic] Key Feature - L2TP (default disabled) 7. [#143461][OPAL Generic] Key Feature - WPA3 (default Mix mode) 8. [#143462][OPAL Generic] Key Feature - WiFi redminer (default disabled) 9. [#143779][OPAL Generic] Key Feature - MAP-T/MAP-E 10. [#143857][OPAL Generic] Support MproMESH and Multi-language - Available Languages: en,cz,it,nl,pt,ru,tr,fr,de,es

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	2. [Vulnerability] UPnP protocol can be abused to perform DDoS and/or data exfiltration via SUBSCRIBE capability. 3. [#200800711][Vulnerability] CVE-2019-11358 vulnerability - update jQuery to "3.5.1". 4. [#210100668][Vulnerability] Vulnerabilities in Multiple Zyxel Equipment from Sec consult => issue 1,2,4,5, 7~10 5. [#210100667][Vulnerability] Dnsmasq multiple vulnerabilities (DNSPooq) 6. [Vulnerability][CVE-2020-1971][Openssl] Correctly compare EdiPartyName in GENERAL_NAME_cmp()
IGMP	3. [#140334][#201200663] AX7501, IGMP snooping issue
Remote Management	1. [#128707][#200500518] AX7501, dropbear not running after reboot

Modifications in 5.15(ABPC.0)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	First FCS firmware released

Modifications in 5.15(ABPC.0)b7

- **Feature Enhancement**

Modified Modules	Features Enhancement List

- **Bug Fixed**

Modified Modules	Bug Fixed List
System	1. [BugFix][#125305][Stress] 5G WLAN client does not access internet overnight stress.

Modifications in 5.15(ABPC.0)b6

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	1. [Feature] Support FS SFP module - 10G Fiber: SFP-10G-BX - 10G copper: SFP-10G-T

- **Bug Fixed**

Modified Modules	Bug Fixed List
WAN	2. [#121109][WAN] FIBER LED and INTERNET LED are lit when DUT uses SFP 10G Copper EM7000-00. 3. [#124298]AX7501, 1G/10G auto-mode fails with fiber disconnected

Modifications in 5.15(ABPC.0)b5

● Feature Enhancement

Modified Modules	Features Enhancement List
System	1. [Feature] Support XGS SFP module for AX7501-B0 - Must to reset to default when changing AE model to XGS, and vice versa - Support XGS SFP module: ZYXEL PM7000-00, Hisense LTF7225-BH+ 2. [Feature] Support ZYXEL SFP module - XGS: ZYXEL PM7000-00 - 10G copper: ZYXEL EM7000-00
WLAN	1. [Enhancement] Upgrade wifi driver to 17.10.99.1301 2. [Enhancement] Change WLAN country code to E0/0

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.15(ABPC.0)b4

● Feature Enhancement

Modified Modules	Features Enhancement List
System	3. [#107837][#190600142] AX7501, 1G/100M SFP - Support 10G/1G WAN rate auto detect Note: Chipset limitation: - SFP module must plug in and connect cable during boot up - If SFP module is not in SFP support list, may work fail - If switch port is auto-nego 100M/1G, may work fail

- **Bug Fixed**

Modified Modules	Bug Fixed List

Modifications in 5.15(ABPC.0)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
	1. PX7501-B0 and AX7501-B0 is co-fw

- **Bug Fixed**

Modified Modules	Bug Fixed List

Modifications in 5.15(ABPC.0)b2

- **Feature Enhancement**

Modified Modules	Features Enhancement List

- **Bug Fixed**

Modified Modules	Bug Fixed List

Modifications in 5.15(ABPC.0)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List

- **Bug Fixed**

Modified Modules	Bug Fixed List