

PE5301-01_Generic

Firmware Release Note

V5.63(AC0J.3.3)C0

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Revision History

Date	Release	Author	Description
2026/08/19	28.0	PeiPing Chen	FW release for V5.63(AC0J.3.3)C0
2026/08/19	27.0	PeiPing Chen	FW release for V5.63(AC0J.3.3)b2
2026/07/31	26.0	PeiPing Chen	FW release for V5.63(AC0J.3.3)b1
2026/06/29	25.0	PeiPing Chen	FW release for V5.63(AC0J.3.2)C0
2026/06/25	24.0	PeiPing Chen	FW release for V5.63(AC0J.3.2)b2
2026/05/08	23.0	PeiPing Chen	FW release for V5.63(AC0J.3.2)b1
2026/04/15	22.0	PeiPing Chen	FW release for V5.63(AC0J.3.1)C0
2026/04/15	21.0	PeiPing Chen	FW release for V5.63(AC0J.3.1)b2
2026/04/14	20.0	PeiPing Chen	FW release for V5.63(AC0J.3.1)b1
2026/03/18	19.0	PeiPing Chen	FW release for V5.63(AC0J.3)C0
2026/03/12	18.0	PeiPing Chen	FW release for V5.63(AC0J.3)b6
2026/03/06	17.0	PeiPing Chen	FW release for V5.63(AC0J.3)b5
2026/02/12	16.0	PeiPing Chen	FW release for V5.63(AC0J.3)b4
2026/01/14	15.0	PeiPing Chen	FW release for V5.63(AC0J.3)b3
2025/12/01	14.0	PeiPing Chen	FW release for V5.63(AC0J.3)b2
2025/10/17	13.0	PeiPing Chen	FW release for V5.63(AC0J.3)b1
2025/10/30	14.0	PeiPing Chen	FW release for V5.63(AC0J.2)C0
2025/10/28	13.0	PeiPing Chen	FW release for V5.63(AC0J.2)b6
2025/10/15	12.0	PeiPing Chen	FW release for V5.63(AC0J.2)b5
2025/09/19	11.0	PeiPing Chen	FW release for V5.63(AC0J.2)b4
2025/08/25	10.0	PeiPing Chen	FW release for V5.63(AC0J.2)b3
2025/07/23	9.0	PeiPing Chen	FW release for V5.63(AC0J.2)b2
2025/06/12	8.0	PeiPing Chen	FW release for V5.63(AC0J.2)b1
2025/04/24	7.0	Albert Syue	FW release for V5.63(AC0J.1)C0
2025/04/23	6.0	Albert Syue	FW release for V5.63(AC0J.1)b3
2025/04/16	5.0	Albert Syue	FW release for V5.63(AC0J.1)b2
2025/03/17	4.0	PeiFen Wu	FW release for V5.63(AC0J.1)b1
2025/02/27	3.0	PeiFen Wu	FW release for V5.63(AC0J.0)C0
2025/02/17	2.0	PeiFen Wu	FW release for V5.63(AC0J.0)b2
2025/01/20	1.0	PeiFen Wu	FW release for V5.63(AC0J.0)b1

PE5301-01_Generic

V5.63(AC0J.3.3)C0

Release Note

Date: Aug 19, 2026

Supported Platforms:

Zyxel PE5301-01

Versions:

Firmware Version : V5.63(AC0J.3.3)C0
Bootbase Version : V4.4 | 08/19/2026 08:14:02
Kernel version: 5.4.55
WLAN code version: 8.2.1.4
WWAN package version: 1.27
EasyMesh: Release 6
TR-369 agent: 6.0.2

Notes:

Public Domain Software Announcements

Open Source Used In Product	Version	From (Source)	License Terms	Modified / Used
attr	2.4.48	http://savannah.nongnu.org/projects/attr	gpl-2.0-only	Used
atftp	0.8.0	https://sourceforge.net/projects/atftp/	gpl-2.0-only	Modified
binutils	2.35.1	https://sourceware.org/pub/binutils/releases/	gpl-2.0-only	Used
bzip2	1.0.8	http://sources.buildroot.net/bzip2/bzip2-1.0.8.tar.gz	bsd-3-clause	Modified
bridge-Utils	1.7.2	https://git.kernel.org/pub/scm/linux/kernel/git/she-mminger/bridge-utils.git/	gpl-2.0-only	Modified
busybox	1.33.1	https://busybox.net/	gpl-2.0-only	Modified
clinkc	2.4	https://sourceforge.net/projects/clinkc/	bsd-3-clause	Modified
c-ares	1.30.0	https://c-ares.haxx.se/download	gpl-2.0-only	Modified
ca-certificates	20210119	http://ftp.debian.org/debian/pool/main/c/ca-certificates/ca-certificates_20210119.tar.xz	gpl-2.0-only	Used
conntrack-tools	1.4.6	https://git.netfilter.org/conntrack-tools/	gpl-2.0-only	Used
curl	8.7.1	https://curl.se/	gpl-2.0-only	Used
cgi-io	2021-09-08-98cef9dd	https://firmware.download.immortalwrt.eu.org/package-sources/cgi-io-2021-09-08-98cef9dd.tar.xz	ISC	Used
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	gpl-2.0-or-later	Modified
dropbear	2024.85	https://github.com/mkj/dropbear	MIT	Modified
elfutils	0.18	https://fedorahosted.org/elfutils/	gpl-2.0-only	Modified
ethtool	5.1	http://www.kernel.org/pub/software/network/ethtool/	gpl-2.0-only	Used
ebtables	2018-06-27-48cff25d	https://git.netfilter.org/ebtables/	gpl-2.0-only	Modified
expat	2.7.1	https://github.com/libexpat/libexpat	MIT	Used

flac	1.3.3	https://downloads.xiph.org/releases/flac/	gpl-2.0-only	Modified
fstools	2021-01-04-c53b1882	https://sources.openwrt.org/fstools-2021-01-04-c53b1882.tar.xz	gpl-2.0-only	Modified
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	gpl-2.0-only	Modified
fwtool	2019-11-12-8f7fe925	https://openwrt.org/packages/pkgdata/fwtool	gpl-2.0-only	Used
gdbm	1.18.1	https://www.gnu.org/software/gdbm/	gpl-3.0-only	Modified
gmp	6.2.1	http://gmplib.org/	gpl-3.0-only	Used
gettext	0.19.8.1	http://www.gnu.org/software/gettext/	gpl-3.0-only	Used
glib2	2.66.4	http://www.gtk.org/	lgpl-2.0-only	Used
gnutls	3.7.1	http://www.gnutls.org/	gpl-2.0-only	Modified
i2c-tools	4.3	https://i2c.wiki.kernel.org/index.php/I2C_Tools	gpl-2.0-only	Used
igmpproxy	0.2.1	https://github.com/pali/igmpproxy	gpl-2.0-or-later	Modified
iperf3	3.10.1	https://downloads.es.net/pub/iperf/iperf-3.10.1.tar.gz	MIT	Used
iproute2	5.11.0	https://github.com/shemminger/iproute2	gpl-2.0-only	Modified
iptables	1.8.7	https://git.netfilter.org/iptables/	gpl-2.0-only	Modified
iw	5.19-1	http://wireless.kernel.org/en/users/Documentation/iw	ISC	Modified
json-c	0.15	https://github.com/json-c/json-c/downloads	MIT	Modified
jsonfilter	2018-02-04-c7e938d6	http://git.openwrt.org/?p=project/jsonpath.git	ISC	Modified
kmod	27	https://www.kernel.org/pub/linux/utils/kernel/kmod/	lgpl-2.1-only	Used
libcap	2.43	https://www.kernel.org/pub/linux/libs/security/linux-privs/libcap2/	gpl-2.0-only	Modified
libcap-ng	0.8.1	https://people.redhat.com/sgrubb/libcap-ng/index.html	gpl-2.0-only	Used
libdbi	0.9.0	http://libdbi.sourceforge.net/	lgpl-2.1-only	Used

libexif	0.6.22	https://libexif.github.io/	lgpl-2.1-only	Modified
libedit	20210419-3.1	https://src.fedoraproject.org/repo/pkgs/libedit/libedit-20210419-3.1.tar.gz/	bsd-3-clause	Modified
libffi	3.3	http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/	MIT	Used
libiconv	1.16.1	http://www.gnu.org/software/libiconv/	lgpl-2.0-only	Modified
libjpeg-turbo	2.0.6	https://www.libjpeg-turbo.org/	BSD-3-Clause	Used
libgpiod	1.6.4	https://git.kernel.org/pub/scm/libs/libgpiod/libgpiod.git	lgpl-2.1-only	Used
libid3tag	0.15.1b	http://mad.sourceforge.net/	gpl-2.0-only	Used
libmnl	1.0.4	http://www.netfilter.org/projects/libmnl/	lgpl-2.1-only	Modified
libnetfilter-cthelper	1.0.0	http://www.netfilter.org/projects/libnetfilter_cthelper/	gpl-2.0-only	Used
libnetfilter_cttimeout	1.0.0	http://www.netfilter.org/projects/libnetfilter_cttimeout/	gpl-2.0-only	Used
libnetfilter_conntrack	1.0.8	https://git.netfilter.org/libnetfilter_conntrack/	gpl-2.0-only	Used
libnetfilter_queue	1.0.5	https://git.netfilter.org/libnetfilter_queue/	gpl-2.0-only	Modified
libnfnetlink	1.0.1	https://git.netfilter.org/libnfnetlink/	gpl-2.0-only	Modified
libnl	3.5.0	http://www.infradead.org/~tgr/libnl/	lgpl-2.1-only	Modified
libnl-tiny	2023-07-01-d433990c	https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny	lgpl-2.1-only	Used
libogg	1.3.4	https://downloads.xiph.org/releases/ogg/	BSD-3-Clause	Used
libpcap	1.9.1-3	www.tcpdump.org	bsd-3-clause	Modified
libselenium	3.2	https://github.com/SELinuxProject/selinux/releases/download/3.2	Public-Domain	Used
libsepol	3.2	https://github.com/SELinuxProject/selinux/releases/download/3.2	lgpl-2.1-only	Used
libsrtp	1.6.0	http://oss.metaparadigm.com/json-c/	BSD-3-Clause	Modified

libstrophe	0.12.2-1	https://codeload.github.com/strophe/libstrophe/tar.gz/	gpl-3.0-only	Modified
libtirpc	1.3.2	http://libtirpc.sourceforge.net/	BSD-3-Clause	Modified
libtool	2.4.6	http://www.gnu.org/software/libtool/	gpl-2.0-only	Used
libubox	2021-05-16-b14c4688	http://mirror.greenwavereality.com/openwrt/	ISC	Used
libusb	1.0.24	https://sourceforge.net/projects/libusb/	lgpl-2.1-only	Used
libvorbis	1.3.7	http://downloads.xiph.org/releases/vorbis/	BSD-3-Clause	Used
libxml2	2.9.12	http://xmlsoft.org/sources/	MIT	Used
lua	5.1.5	http://www.tecgraf.puc-rio.br/lua/ftp/	MIT	Modified
lxc	2.0.4	https://linuxcontainers.org/lxc/downloads/	gpl-2.0-only	Modified
Linux/Arm Kernel	5.4.55		gpl-2.0-only	Modified
logrotate	3.22.0	https://launchpad.net/ubuntu/hardy/i386/logrotate/	gpl-2.0-only	Modified
nbtscan	1.7.2	http://ftp.debian.org/debian/pool/main/n/nbtscan/	gpl-2.0-only	Used
mbedtls	2.16.11	https://codeload.github.com/ARMmbed/mbedtls/tar.gz/v2.16.11	gpl-2.0-only	Modified
mailsend	1.19	https://github.com/muquit/mailsend/	bsd-3-clause	Modified
musl-fts	1.2.7	https://github.com/pullmoll/musl-fts.git	BSD-3-Clause	Used
minidlna	1.3.0	https://sourceforge.net/projects/minidlna/files/minidlna/1.3.0/	gpl-2.0-only	Modified
nettle	3.6	https://ftp.gnu.org/gnu/nettle/	gpl-2.0-only	Modified
ncurses	6.2	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	2015_365	http://doolittle.icarus.com/ntpclient/	gpl-2.0-only	Modified

nghttp2	1.57.0	https://osdn.net/projects/immortalwrt/storage/sources/nghttp2-1.43.0.tar.xz/	MIT	Used
omcproxy	2018-12-14-722151f0	https://osdn.net/projects/immortalwrt/storage/sources/omcproxy-2018-12-14-722151f0.tar.xz/	apache-2.0	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	gpl-2.0-only	Modified
pciutils	3.8.0	https://github.com/yifengyou/pciutils-3.7.0	gpl-2.0-only	Modified
pure-ftpd	1.0.50	http://pureftpd.org	bsd-3-clause	Modified
pcr	8.44	https://sourceforge.net/projects/pcr/files/pcr/8.44/	gpl-2.0-only	Used
procd	2021-02-23-37eed131	https://downloads.openwrt.org/releases/21.02.1/targets/arc770/generic/openwrt-21.02.1-arc770-generic-default.manifest	lgpl-2.1-only	Modified
pcr2	10.44	https://www.linuxfromscratch.org/blfs/view/systemd/general/pcr2.html	bsd-3-clause	Modified
u-boot	2021.01	https://source.denx.de/u-boot/u-boot	gpl-2.0-only	Used
ubox	2020-10-25-9ef88681	https://git.openwrt.org/project/ubox.git	gpl-2.0-only	Used
ubus	2021-06-30-4fc532c8	https://git.openwrt.org/?p=project/ubus.git;a=shortlog	lgpl-2.1-only	Used
uci	2020-10-06-52bbc99f	https://git.openwrt.org/project/uci.git	lgpl-2.1-only	Used
uclient	2021-05-14-6a6011df	https://git.openwrt.org/project/uclient.git	ISC	Used
urandom-seed	3	https://github.com/ntl9t/openwrt-1/blob/master/package/system/urandom-seed/files/etc/init.d/urandom_seed	gpl-2.0-only	Used
urngd	2020-01-21-c7f7b6b6	http://mirror.greenwavereality.com/openwrt/	gpl-2.0-only	Used
radvd	1.8	http://www.litech.org/radvd/	bsd-3-clause	Modified

readline	8.2	http://cnswww.cns.cwru.edu/php/chet/readline/rlt-op.html	gpl-2.0-only	Used
resolveip	2	https://github.com/openwrt/openwrt/tree/openwrt-21.02/package/network/utils/resolveip	gpl-2.0-only	Used
rp-pppoe	3.12	https://dianne.skoll.ca/projects/rp-pppoe/download	gpl-2.0-only	Modified
samba	3.6.25	http://www.samba.org/samba/	gpl-3.0-only	Modified
sqlite	3460000	http://www.sqlite.org/	public-domain	Used
swconfig	12	https://github.com/openwrt-mirror/openwrt/blob/master/target/linux/generic/files/drivers/net/phy/swconfig.c	gpl-2.0-only	Used
syslog-ng	4.7.1	https://github.com/balabit/syslog-ng	gpl-2.0-only	Used
tcpdump	4.99.4	http://www.tcpdump.org/	bsd-1-clause	Used
udhcp	0.9.8	http://udhcp.busybox.net/	gpl-2.0-only	Modified
usign	2020-05-23-f1f65026	https://download.iopsys.eu/iopsys/mirror/usign-2020-05-23-f1f65026.tar.xz	ISC	Used
usb-modeswitch	2.1.0	http://www.draisberghof.de/usb_modeswitch/	gpl-2.0-only	Used
util-linux	2.36.1	https://github.com/karelzak/util-linux/	gpl-2.0-only	Used
wide-dhcpv6	20080615	https://sourceforge.net/projects/wide-dhcpv6/	bsd-3-clause	Modified
wireless-regdb	2021.04.21-1	https://git.kernel.org/pub/scm/linux/kernel/git/sforsee/wireless-regdb.git/	ISC	Modified
quagga	1.2.4	https://github.com/Quagga/quagga	gpl-2.0-only	Used
miniupnpd	2.3.1	https://github.com/miniupnp/miniupnp/	bsd-3-clause	Modified
zlib	1.3.1	https://github.com/madler/zlib	zlib	Used
zoneinfo	2021a	https://www.iana.org/time-zones/repository/releases/tzcode2021a.tar.gz	bsd-3-clause	Modified
		https://www.iana.org/time-zones/repository/releases/tzdata2021a.tar.gz		
xz	5.2.5	https://tukaani.org/xz	gpl-2.0-or-later	Modified

xl2tpd	1.3.16	https://github.com/xelerance/xl2tpd.git	gpl-2.0-only	Modified
wolfssl	4.8.1-stable	http://www.wolfssl.com/	gpl-2.0-only	Modified
wireless-tools	29	https://hewlettpackard.github.io/wireless-tools	gpl-2.0-only	Modified
yafc	1.1.1-2	https://github.com/sebastinas/yafc	gpl-2.0-or-later	Used
dtc	1.6.0-1	https://devicetree.org/	gpl-2.0-only	Modified
uclibc++	0.2.5	https://cxx.uclibc.org/src/	lgpl-2.1-or-later	Used
ubi-utils	2.1.2-1	ftp://ftp.infradead.org/pub/mtd-utils/	gpl-2.0-only	Used
hwdata	0.359-1	https://src.fedoraproject.org/rpms/hwdata	gpl-2.0-or-later	Used
opkg	2021-06-13-1b f042dd-1	https://git.openwrt.org/project/opkg-lede.git	gpl-2.0-only	Used
openwrt-keyring	2021-02-20-49 283916-2	https://openwrt.org/docs/guide-user/security/signatures	gpl-2.0-only	Used
mosquitto	2.0.14	http://www.mosquitto.org/	epl-1.0	Used
libwebsockets	4.3.1-1	https://libwebsockets.org/	MIT	Used
ustream-ssl	2020-12-10-68 d09243	https://github.com/openwrt/ustream-ssl	isc	Used
liburing	0.7-1	https://git.kernel.dk/cgit/liburing/snapshot	MIT	Used
liburing	0.7-1	https://git.kernel.dk/cgit/liburing/snapshot	gpl-2.0-only	Used
liburing	0.7-1	https://git.kernel.dk/cgit/liburing/snapshot	lgpl-2.1-or-later	Used
libtasn1	4.16.0-1	https://gitlab.com/gnutls/libtasn1	lgpl-2.1-or-later	Used
libstrophe	0.12.2-1	https://github.com/strophe/libstrophe	MIT	Used
libstrophe	0.12.2-1	https://github.com/strophe/libstrophe	gpl-3.0-only	Used
musl	1.2.7-3	https://github.com/pullmoll/musl-fts.git	MIT	Used
libmicroxml	2012-06-11	https://github.com/pivasoftware/microxml.git	lgpl-2.1-or-later	Used
libgcc	10.2.0-3	https://github.com/gcc-mirror/gcc/tree/master/libgcc	gpl-2.0-or-later	Modified

libdaemon	0.14-5	http://0pointer.de/lennart/projects/libdaemon/	lgpl-2.1-or-later	Used
hostapd	2022-07-29-b704dc72	http://w1.fi/hostap.git	bsd-3-clause	Modified

Known issues

Modules	Issue	Risk Impact Information

Modifications in 5.63(AC0J.3.3)C0

Based on V5.63(AC0J.3.3)b2 to release V5.63(AC0J.3.3)C0

Modifications in 5.63(AC0J.3.3)b2

● Bug Fixed

Modified Modules	Bug Fixed List
GUI	[#259124][Wizard] Use Wizard configure WAN select PPPoE mode. Finish the setting, go to Broadband page WAN mode is IPoE.

Modifications in 5.63(AC0J.3.3)b1

● Bug Fixed

Modified Modules	Bug Fixed List
GUI	[#255606][eITS#260601045] Vulnerability : GUI access to restricted menu pages.
	[#256603][CVE-2026-12489] Zyxel-SI-1680 [Vulnerability] GUI access to restricted menu pages vulnerability.
Lifemote	[#256635][ACTS][Lifemote][Mpro mesh] WiFi client disappear in "Device.WiFi.DataElements." after 5 days testing.
	[#256650][ACTS][Lifemote][Mpromesh] Free memory is showing a

	downward trend in bulkdata stress.
TR181	[#256663][eITS#260501944]TR181 parameters to check LAN + WLAN connected devices.

● Feature Enhancement

Modified Modules	Features Enhancement List
TR069	[#256713][eITS#260700519]Send ACS Username and ACS Password on DHCP option 43.

Modifications in 5.63(AC0J.3.2)C0

Based on V5.63(AC0J.3.2)b2 to release V5.63(AC0J.3.2)C0

Modifications in 5.63(AC0J.3.2)b2

● Bug Fixed

Modified Modules	Bug Fixed List
NAT	[#252026][eITS#260300632]LAN -- WAN --- LAN flow, NAT does not reach to LAN server.
	[#254256][eITS#260501044] NAT Port forwarding works not PE 5301-01.
GUI	[#253357][eITS#260402163]Force password change of user - entered passwords not equal.
Vulnerability	[#254672][CVE-2026-2291, CVE-2026-4890, CVE-2026-4891, CVE-2026-4892, CVE-2026-4893] Zyxel-SI-1675 [Vulnerability] Multiple vulnerabilities in dnsmasq.

● Feature Enhancement

Modified Modules	Features Enhancement List
GUI	[#253368][eITS#260402171]Force password change of user account - text suggestions.

Modifications in 5.63(AC0J.3.2)b1

● Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	[#253699][CVE-2026-6952]Zyxel-SI-1666 [Vulnerability] A post-authentication command injection vulnerability exists in the syslog component.
Lifemote	[#253717][Lifemote] Support for enhancements (ZYXCPE-177, ZYXCPE-187, ZYXCPE-188, ZYXCPE-191, ZYXCPE-192, ZYXCPE-193, ZYXCPE-194, ZYXCPE-196, ZYXCPE-197, ZYXCPE-198, ZYXCPE-206).

Modifications in 5.63(AC0J.3.1)C0

Based on V5.63(AC0J.3.1)b2 to release V5.63(AC0J.3.1)C0

Modifications in 5.63(AC0J.3.1)b2

● Bug Fixed

Modified Modules	Bug Fixed List
System	[#252688][Internal] Correct MX35LF4GE4AD OOB layout.

Modifications in 5.63(AC0J.3.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
WIFI	[#252107][eITS#260302138][Internal][BE7200] Disable Wi-Fi off-channel scan by default.

Modifications in 5.63(AC0J.3)C0

Based on V5.63(AC0J.3)b6 to release V5.63(AC0J.3)C0

Modifications in 5.63(AC0J.3)b6

● Bug Fixed

Modified Modules	Bug Fixed List
Stress	[#251054][Stress][5 hours][123 times] CPE happened call trace , Wi-Fi clients can't access internet , GUI and console not available.

Modifications in 5.63(AC0J.3)b5

● Bug Fixed

Modified Modules	Bug Fixed List
System	[#250245][System] Update "Band" to "Band Capabilities" in Station Information Table.

Modifications in 5.63(AC0J.3)b4

● Bug Fixed

Modified Modules	Bug Fixed List
GUI	[#248708][GUI] The GUI no longer be accessed if click page "Traffic Status" from system monitor.
MGMT	[#248797][eITS#260101049]SSH connection not posible to enable PE 5301-01.
Vulnerability	[#249024]Zyxel-SI-1650 [Vulnerability] Post-authentication command injection vulnerabilities in the EasyMesh related APIs.
	[#249716][CVE-2026-1460] Zyxel-SI-1653 [Vulnerability] post-authentication command injection vulnerability in the DomainName parameter of the DHCP configuration file.
TR069	[#249373][eITS#260100577]the customer tested 4K video throughput and they used TR-069 to get the LAN 1-3 received valuesThey found if the value exceeds $2^{32}-1$, it will return

	zero.
MPro Mesh	[#224798][MPro Mesh] Wireless MLO settings cannot be synchronized to agent
	[#241209][eITS#250900180]MLO not sync under Mesh setup between controller and agent
APP	[#250099][#251100099][Generic] Zyxel One, error at times displaying max speed for MLO connection

● Feature Enhancement

Modified Modules	Features Enhancement List
System	[#249587][USB] Admin account hide the options to enable DLAN/SAMBA.
OMCI	[#249247][PE5301-01] Support ME 345 (XG-PON downstream management performance monitoring history data) and 346 (XG-PON upstream management performance monitoring history data)

Modifications in 5.63(AC0J.3)b3

● Bug Fixed

Modified Modules	Bug Fixed List
LAN	[#245758][eITS#251101686]After disable LAN port, the light right next to Ethernet cable is still blinking.
WLAN	[#246655]Significant different Tx / Rx, NSS, MCS at the same location with the same firmware.
Vulnerability	[#247083][CVE-2025-13942、CVE-2025-13943] Zyxel-SI-1644 [Vulnerability] Command injection vulnerabilities in zupnp and zhttpd binaries in customized firmware.

● Feature Enhancement

Modified Modules	Features Enhancement List
System	[#237976][eITS#250501830]Reduce the time between obtaining

	an IP and sending the inform message to under 20 seconds.
Vulnerability	[#247302][eITS#250401065] Request option for user to disregard WPA password complexity requirement.
GUI	[#247325][GUI] GUI configurable element.
	[#247394]add GUI display in power saving mode.
WAN	[#247413][eITS#250800810] Support VLAN 0 WAN interface to receive untagged packets (Configurable).

Modifications in 5.63(AC0J.3)b2

● Bug Fixed

Modified Modules	Bug Fixed List
Configuration	[#244743][eITS#251100043] ROMD supports "ISP Logo" strings exceeding 4095 characters.
Vulnerability	[#245641][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.
GUI	[#245631][eITS#251101601]GUI --> System Info does not show correct LAN 1 ~3 status after a reboot/power off -> power on.

● Feature Enhancement

Modified Modules	Features Enhancement List
WAN	[#243338][eITS#250900323] Through bridge mode, assigns an IPv6 address to the LAN-side. even if the IPv6 address is successfully obtained, when pinging an external IPv6 address the connection is unstable.
Configuration	[#243923][eITS#251001210]Registration ID/SLID value changes after ROM-D file update PE5301-01.
GUI	[#245656][eITS#251101465]Feature request to change values of Traffic Status from Byte to MB or GB.
	[#245659][eITS#251101469]Feature request of pictographic explanation of Guest Access Scenario.

- **Issue cannot be reproduced**

Modified Modules	Bug Fixed List
System	[#236990][ACTS] [Stability] Browser cannot be opened, display 502 Bad Gateway (Run 64 times and happened fail 3 times).

Modifications in 5.63(AC0J.3)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
MPro Mesh	[#224238][MPro Mesh] The controller will steer multiple MLO MACs at the same time, and will not treat them as a single object.
	[#224832][MPro Mesh] MLO client connected WE3300 MLO FH and 5G FH, it got same phyrate.

- **Feature Enhancement**

Modified Modules	Features Enhancement List
WAN	[#240034][eITS#250601497] set a rule for the PPPoE username and password for prefix, suffix and the random character including its length. This way, customer can have a random values for their requirements. For DST values, no change in current settings.
DHCPv6	[#240260][eITS#250800568]support DHCP Option 17, Option 56, Option 1 Option 16 setting under DHCPv6
System	[#241218]Power saving mode
	[#241223] SDK upgrade to 7.4.0.0 v067
	[#243681][Feature] Timezone Auto Detect
	[#243682][Feature] Timezone Auto Detect parameter in RESTful API
WiFi	[#241227]Support MESH R6
	[#241239]Support MLO backhaul by default
	[#243000][eITS#250700232]Change Wireless and Wire MAC filter

	in the same page
	[#241165][eITS#241100676] Poor data representation of MLO STAs - GUI views
	[#241230]Support SSID 2,4/5GHz independence
TR369	[#243679][Feature] Support cloud agent flag in RESTful API
	[#243680][Feature] Follow RESTful API, add APPUICustomization Parameters
	[#243683][BUGFIX] While TR-369 Local Agent -> General is enable, add MQTT rule. GUI display incorrect.
	[#243684] Zyxel CA security enhancement during fatcory production
	[#243685] MLO Client/STA RESTful API implementation
	[#243725] Remove Parking server USP config
LED	[#243745][eITS#250600183] MWI indication on PE5301-01 LEDs
GUI	[#243894][eITS 250501383] Request more user friendly information in Steering Status GUI view

Modifications in 5.63(AC0J.2)C0

Based on V5.63(AC0J.2)b6 to release V5.63(AC0J.2)C0

Modifications in 5.63(AC0J.2)b6

● Bug Fixed

Modified Modules	Bug Fixed List
System	[#244248] EEE (Energy-Efficient Ethernet) function will be disable by default and rom-convert.

Modifications in 5.63(AC0J.2)b5

● Bug Fixed

Modified Modules	Bug Fixed List
TR069	[#242751][eITS#250900717]wan rate can't match with lan rate.

Modifications in 5.63(AC0J.2)b4

● Feature Enhancement

Modified Modules	Features Enhancement List
GUI	[#237903][eITS#250601862] Please use the term Wi-Fi instead of wifi in the GUI.

● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	[#236101]iPhone disconnect from Wi-Fi and cannot reconnect, incorrect password.

Modifications in 5.63(AC0J.2)b3

● Feature Enhancement

Modified Modules	Features Enhancement List
PON	[#237846][eITS#250501835]Using OMCI message to shut down the interface.

● Bug Fixed

Modified Modules	Bug Fixed List
Vulnerability	[#239854]Zyxel-SI-1612 Improper privilege management in VMG4005-B50A.
	[#239869][CVE-2025-6599] Zyxel-SI-1616 [Vulnerability] Slow HTTP DoS vulnerability in the DX3301-T0.
	[#239890][CVE-2025-6599] Zyxel-SI-1621 [Vulnerability] Slow read DoS vulnerability on the zhttpd web server.
	[#239905][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.
	[#240600][eITS#250700670] Enabling Guest WiFi while Bridge mode is active make bridge connection disconnect.
PON	[#240567][eITS#250500697] WAN Interface Used by TR-069 Client no longer select PE5301-01.

Modifications in 5.63(AC0J.2)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
WLAN	[#238244][eITS#250700921]PE5301 side survey support up to 128 devices.

● Bug Fixed

Modified Modules	Bug Fixed List
PON	[#238621][eITS#250501828]ONT sends sometimes traffic from the br0 interface.
MPro Mesh	[#237604][MPro Mesh] PE5301 Connection page displays RP_agents & wifi clients RSSI as 0.
	[#237732][MPro Mesh][Zyxel One_Agent] After add extender finished, iOS_APP Network and GUI Connectivity List page, it will see one extra Controller. For Android_APP to Network page, it will lead to crash.
	[#237737][MPro Mesh][Zyxel One_Agent] All Agent's Link Rate and wifi client's Max Speed are show wrong.
	[#237738][MPro Mesh][Zyxel One_Agent] When turn off Controller LED lights via APP, the Controller LED will dark but all agent LED light still on.
	[#237746][MPro Mesh][Zyxel One_Agent] Some wifi clients will disappear in APP and Connectivity page.

Modifications in 5.63(AC0J.2)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
Time	[#235758][Feature] Timezone Auto Detect.
EAA	[#230841]WEB GUI meets the request of Europe EAA (European Accessibility Act).
Security	[#230838]EN18031 OPAL20 product compliance release.
Host	[#235764][Feature] Host Mana.
	[#235767][Feature] Add parameter X_ZYXEL_Channel_24G, X_ZYXEL_Channel_5G under Device.Hosts.Host.
GUI	[#235777]#13_Block special character in the account user name field.
	[#231735][Feature] Modify MoreAP title from Guest\MoreAP to MoreAP.
TR369	[#235776]#18 WIFI mapping feature.
	[#235780]Zyxel certificate for OneCloud services
	[#235772][Feature] Support cloud agent flag in RESTFul API.
	[#235770][Feature] Add parameter for cloud licensing.
	[#235774][Feature] Follow RESTFul API, add APPUICustomization Parameters.
	[#233500][Config] Lifmote default controller setting.
	[#232563]zyxel one over cloud with basic feature V1.1 TR369 data model.
	[#232562]Zyxel one over cloud with WiFi analytic TR181 v1.2 over TR369.
	[#232561]Zyxel one over Wi-Fi OPAL 2.0 RESTful API implementation.
	[#235775]#10 [Feature] Support Device.X_ZYXEL_LedCtrl.
	[#235768][Feature] Follow RESTFul API, add MeshReboot MeshResetAllSetting.
	[#235763][Enhance] TR369 Certificate.
	[#235762][Feature] Parental Control Overnight feature.
	[#235760][Feature] Bulk data parameter maximum length.
	[#235759][Feature] Parameters for meminfo.
WLAN	[#230934][Feature] enable weather channel.
	[#232310][Feature] Extend auto channel selection check period

	from one hour to eight hours.
	[#231326] Mesh is enabled by default and is not configurable in the GUI.
VoIP	[#227832][eITS#250101243] PE5301-01 SIP over IPv6 with support for Multiple WANs using IPv6.

● Bug Fixed

Modified Modules	Bug Fixed List
Mpro Mesh	[#235880][ACTS][Mpro Mesh][TR-369] Zyxel One USP Data Model Check fail.
	[#235879][MPro Mesh] In TR-369 Local Agent page, the Controller item for cloud information should not be empty.
	[#235878][Mpro Mesh][TR-369] Mutiple Parameter missing.
	[#228043][MPro Mesh] Modify main ssid and password would cause mapd daemon random crash (error rate 1/25).
	[#233495][2F FUT] EE5301 Controller auto reboot.
TR369	[#235765][BUGFIX][ZYXCPE-98] All data model becomes empty time to time.
	[#225506][TR-369] While TR-369 Local Agent -> General is enable, add MQTT rule. GUI display incorrect.
GUI	[#227843][LAN] The VLAN Group function should't support Tx Tagging(Econet).
	[#227753][GUI] When CPE import Trusted CA, Local Certificate Used by Syslog Client options will add "NONE".
Vulnerability	[#235619][CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow.
	[#234615][CVE-2024-6531] Bootstrap v4.6.2 Vulnerability.
TR069	[#234990][eITS#250500787] Problem with creation of ACL rules via ACS Server PE 5301-01

Modifications in 5.63(AC0J.1)C0

Based on V5.63(AC0J.1)b3 to release V5.63(AC0J.1)C0

Modifications in 5.63(AC0J.1)b3

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
WAN	1. [#232784][WAN] WAN MAC should't same as 2.4G Wi-Fi MAC , it need follow rule(br0+3).
VoIP	2. [#232830][VoIP] The numbers of the HW phone jack and software phone jack are reversed.

Modifications in 5.63(AC0J.1)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
Other	[#231525] EN18031 OPAL20 product compliance release
Web	[#231526] WEB GUI meets the request of Europe EAA (European Accessibility Act)
WLAN	[#232313][Feature] Extend auto channel selection check period from one hour to eight hours

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.63(AC0J.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
VOIP	<ol style="list-style-type: none"> Feature #227831: [eITS#250101242] PE5301-01 Voice Fallback IPv6 > IPV4 (in case of a DualStack IPv4v6 interface). Feature #227830: [eITS#250101238] PE5301-01 Carry voice over IPV6

● Bug Fixed

Modified Modules	Bug Fixed List
MPro Mesh	<ol style="list-style-type: none"> Bug #224152: [MPro Mesh][Zyxel One_Agent] Reboot AP_Agent/Controller via APP, AP_Agent do auto configure fail. Bug #227946: [MPro Mesh] When the extender presses WPS first, the controller will assume that another controller is conducting WPS. Bug #227971: [MPro Mesh] Modify main & guest ssid and password, if 5g signal haven't broadcast, the second change would not apply successfully.
WAN	<ol style="list-style-type: none"> Bug #227917: [WAN] Cellular Card Model show error when connect 4G Dongle.
Other	<ol style="list-style-type: none"> Bug #230088 Disable OTF calibration by default

Modifications in 5.63(AC0J.0)C0

Based on V5.63(AC0J.0)b2 to release V5.63(AC0J.0)C0

Modifications in 5.63(AC0J.0)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
	<ol style="list-style-type: none"> Feature #228145: [eITS#250101654] Backup Restore Romanian text Feature #228146: [eITS#250101663] Missing translation TR-36

	3. Feature #228147: [eITS#250101667] Translate to Spanish the Power Monitor menu
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● Bug Fixed

Modified Modules	Bug Fixed List
	<ol style="list-style-type: none"> 1. Bug #227923: [Stress][24 hours] The LAN side wired client can't reach CPE LAN IP address & MOD can't play at 學禮樓 site-1. 2. Bug #228149: [eITS#250101665] Input validadtion of Max Wireless Client 3. Bug #228042 [WLAN] In 5G Band4 bandwidth 20/40 MHz, the channel list shouldn include ch 52/60/136. 4. Bug #227828 [eITS#250101240] PE5301-01 Issue telephone-event/16000 PCMA

Modifications in 5.63(AC0J.0)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List