

# **WX3100-T0 Generic**

Firmware Release Note

V5.50(ABVL.4.1)C0

Date: Mar 8, 2024

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Reviewer:

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## Revision History

Date	Release	Author	Description
2020/08/06	1.0	Linda Huang	FW release for V5.50(ABVL.0)b1
2020/08/28	1.1	Joanna Su	FW release for V5.50(ABVL.0)b2
2020/10/12	1.2	Joanna Su	FW release for V5.50(ABVL.0)b3
2020/11/13	1.3	Joanna Su	FW release for V5.50(ABVL.0)b4
2021/01/28	1.4	Joanna Su	FW release for V5.50(ABVL.0)b5
2021/03/08	1.5	Joanna Su	FW release for V5.50(ABVL.0)b6
2021/05/07	1.6	Joanna Su	FW release for V5.50(ABVL.0)b7
2021/06/10	1.7	Joanna Su	FW release for V5.50(ABVL.0)b8
2021/07/30	1.8	Joanna Su	FW release for V5.50(ABVL.0)b9
2021/08/27	1.9	Joanna Su	FW release for V5.50(ABVL.0)b10
2021/09/10	1.10	Joanna Su	FW release for V5.50(ABVL.0)C0
2021/10/4	2.0	Joanna Su	FW release for V5.50(ABVL.1)b1
2021/12/17	2.1	Neil Chen	FW release for V5.50(ABVL.1)b2
2022/02/10	2.2	Neil Chen	FW release for V5.50(ABVL.1)b3
2022/02/24	2.3	Neil Chen	FW release for V5.50(ABVL.1)b4
2022/03/03	2.4	Neil Chen	FW release for V5.50(ABVL.1)C0
2022/11/07	3.0	Neil Chen	FW release for V5.50(ABVL.1.1)b1
2022/11/07	3.1	Neil Chen	FW release for V5.50(ABVL.1.1)C0
2022/11/25	3.2	Neil Chen	FW release for V5.50(ABVL.2)b1
2023/02/24	3.3	Neil Chen	FW release for V5.50(ABVL.2)b2
2023/03/31	3.4	Neil Chen	FW release for V5.50(ABVL.2)b3
2023/05/03	3.5	Neil Chen	FW release for V5.50(ABVL.2)b4
2023/05/12	3.6	Neil Chen	FW release for V5.50(ABVL.2)C0
2023/06/02	4.0	Neil Chen	FW release for V5.50(ABVL.3)b1
2023/07/04	4.1	Neil Chen	FW release for V5.50(ABVL.3)b2
2023/08/21	4.2	Neil Chen	FW release for V5.50(ABVL.3)b3
2023/09/01	4.3	Neil Chen	FW release for V5.50(ABVL.3)b4
2023/10/13	4.4	Neil Chen	FW release for V5.50(ABVL.3)b5
2023/10/24	4.5	Neil Chen	FW release for V5.50(ABVL.3)C0
2023/11/16	5.0	Neil Chen	FW release for V5.50(ABVL.4)b1
2023/12/15	5.1	Neil Chen	FW release for V5.50(ABVL.4)b2

2024/01/19	5.2	Neil Chen	FW release for V5.50(ABVL.4)b3
2024/02/19	5.3	Neil Chen	FW release for V5.50(ABVL.4)C0
2024/03/08	5.4	Neil Chen	FW release for V5.50(ABVL.4.1)b1
2024/03/08	5.5	Neil Chen	FW release for V5.50(ABVL.4.1)C0

## **WX3100-T0 Generic V5.50(ABVL.4.1)C0 Release Note**

Date: Mar 08, 2024

### **Supported Platforms:**

Zyxel WX3100-T0

### **Versions:**

Bootbase version : V1.46 | 05/07/2021 11:40:00

Firmware version : V5.50(ABVL.4.1)C0

Kernel version: 3.18.21

WLAN code version: 7.4.0.0\_EN7516G

app-agent: 3.0

netprobe: 4.0

zy1905: 3.0

### **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	1.0.6	<a href="https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/">https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/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
dropbear	2018.76	<a href="https://github.com/mkj/dropbear">https://github.com/mkj/dropbear</a>	MIT	Modified
ebtables	2.0.8-2	<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	1.95.8	<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	0.16.1	<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	1.4.10	<a href="https://git.netfilter.org/iptables/">https://git.netfilter.org/iptables/</a>	GPLv2	Modified
jpegsrvc	v9a	<a href="http://www.iig.org/">http://www.iig.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
libnfnethlink	1.0.1	<a href="https://git.netfilter.org/libnfnethlink/">https://git.netfilter.org/libnfnethlink/</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
libstrophe	0.10.0	<a href="https://github.com/strophe/libstrophe">https://github.com/strophe/libstrophe</a>	GPLv3	Used
Linux/Arm Kernel	3.18.21		GPLv2	Modified
logrotate	3.7.1	<a href="https://launchpad.net/ubuntu/hardy/i386/logrotate/">https://launchpad.net/ubuntu/hardy/i386/logrotate/</a>	GPLv2	Modified
ncurses	5.7	<a href="http://ftp.gnu.org/pub/gnu/ncurses/">http://ftp.gnu.org/pub/gnu/ncurses/</a>	MIT	Modified
ntfs-3g	2013.1.13	<a href="http://ntfs-3g.org">http://ntfs-3g.org</a>	GPLv2/LGPLv2	Used
ntpdclient	2007_365	<a href="http://doolittle.icarus.com/ntpdclient/">http://doolittle.icarus.com/ntpdclient/</a>	GPLv2	Modified
openssl	1.1.1f	<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
pure-ftpd	1.0.30	<a href="http://pureftpd.org">http://pureftpd.org</a>	ISC/BSD	Modified
readline	5.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>	GPLv2	Used
sqlite	3.6.23.1	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>	Public Domain License	Used
syslog-ng	2.0.10	<a href="https://github.com/balabit/syslog-ng">https://github.com/balabit/syslog-ng</a>	GPLv2	Used
tcpdump	4.2.1	<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
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
zlib	1.2.7	<a href="https://github.com/madler/zlib">https://github.com/madler/zlib</a>	zlib	Used

## Known issues

Modules	Issue	Risk Impact Information



## Modifications in 5.50(ABVL.4.1)C0

Based on V5.50(ABVL.4.1)b1 to release V5.50(ABVL.4.1)C0

## Modifications in 5.50(ABVL.4.1)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
System	1. [#207180] [Vulnerability] Zyxel-SI-1536 [Vulnerability] Buffer overflow vulnerability in the "traceroute" command of DX3300-T1 CPE --- for WX3100-T0

## Modifications in 5.50(ABVL.4)C0

Based on V5.50(ABVL.4)b3 to release V5.50(ABVL.4)C0

## Modifications in 5.50(ABVL.4)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List

GUI	1. [#203871] [GUI]Change Extender Icon
System	1. [#201615] [System] Set admin password should contain special characters

## Modifications in 5.50(ABVL.4)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
MPro Mesh	1. [#194850] [MPro Mesh] By default do WPS on-boarding will random fail.

## Modifications in 5.50(ABVL.4)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
System	1. [#195758] [Vulnerability] Zyxel-SI-1506 [Vulnerability] Post-authentication buffer overflow in VMG3625-T50B 2. [#195764] Zyxel-SI-1498 [Vulnerability] WPS vulnerability on DX3301-T0 CPE in WLAN

## Modifications in 5.50(ABVL.3)C0

Based on V5.50(ABVL.3)b5 to release V5.50(ABVL.3)C0

## Modifications in 5.50(ABVL.3)b5

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
MPro Mesh	1. [WX3100][NR5103E] 3b2_H0, Link LED issue and Incorrect topology if STA connect agent by Wi-Fi 2.4G

## Modifications in 5.50(ABVL.3)b4

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
MPro Mesh	1. [#196662] [MPro Mesh] ZyPark Multy Pro stress, after about 4 hours, the wifi clients are unable to connect MESH network.

## Modifications in 5.50(ABVL.3)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
MPro Mesh	1. [#194849] [MPro Mesh] Connectivity page topology disapper after on-boarding RP_agent.

## Modifications in 5.50(ABVL.3)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
LED	1. The WPS LED doesn't blink when push the WPS button before onboarding to gateway

## Modifications in 5.50(ABVL.3)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WLAN	1. Support Mesh R2
MproMesh	1. Support MroMesh 3.0

- **Bug Fixed**

Modified Modules	Bug Fixed List

## Modifications in 5.50(ABVL.2)C0

Based on V5.50(ABVL.2)b4 to release V5.50(ABVL.2)C0

## Modifications in 5.50(ABVL.2)b4

- **Feature Enhancement**

Modified Modules	Features Enhancement List

- **Bug Fixed**

Modified Modules	Bug Fixed List
System	1. [#187652] [System] Auto online upgrade(FOTA)should be disabled.

## Modifications in 5.50(ABVL.2)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
Firmware Upgrade	1. [FOTA] Firmware upgrade via FOTA requirement.

- **Bug Fixed**

Modified Modules	Bug Fixed List

## Modifications in 5.50(ABVL.2)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List

Note. After 5.50(ABVL.2)b1, WPS trigger is changed to feature #153990

### ● Bug Fixed

Modified Modules	Bug Fixed List

## Modifications in 5.50(ABVL.2)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WPS	1. [#153990] [eITS Ticket #210900469] [Altibox] [ZYX-254] WX3401, Change WPS button when wireless backhaul is in use
WLAN	1. [#154530] WX3100-T0 - Guest Wi-Fi is not enabled on Extenders when you enable it in MPro Mesh APP
GUI	1. [#158609] WX3100/WX3401, Feature Request GUI Topology View
TR-069	1. [#159862] WX3100-T0 - V5.50(ABVL.0)C0 - Retrieve LAN Host Host Type - TR069 testing

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	1. [#152621] WX3100-T0 - v5.50(ABVL.0)b8 - MPro Mesh App reports all connected devices as wired not wireless
GUI	1. [#177441] Supervisor password cannot be changed from WebUI with 1C0 firmware

## Modifications in 5.50(ABVL.1.1)C0

Based on V5.50(ABVL.1.1)b1 to release V5.50(ABVL.1.1)C0

## Modifications in 5.50(ABVL.1.1)b1

### ● Bug Fixed

Modified Modules	Bug Fixed List
System	1. [#177431] [Zyxel-SI-1433 [Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability, for WX3100-T0

## Modifications in 5.50(ABVL.1)C0

Based on V5.50(ABVL.1)b4 to release V5.50(ABVL.1)C0

## Modifications in 5.50(ABVL.1)b4

### ● Bug Fixed

Modified Modules	Bug Fixed List
TR-069	1. [#161367] WX3100-T0 / Config Issue after XMPP config via TR-069 (AX69)

## Modifications in 5.50(ABVL.1)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List
TR-069	<ol style="list-style-type: none"> <li>[#159862] WX3100-T0 - V5.50(ABVL.0)C0 - Retrieve LAN Host Host Type - TR069 testing</li> <li>[#159859] WX3100-T0 - V5.50(ABVL.0)C0 - Retrieve LAN Ethernet Port Speed - TR069 testing</li> </ol>
DHCP	<ol style="list-style-type: none"> <li>[#158732] WX3100, Request opt 43 to receive ACS URL from CPE, with auto-activation of CWMP</li> </ol>

### ● Bug Fixed

Modified Modules	Bug Fixed List
TR-069	<ol style="list-style-type: none"> <li>[#159081] WX3100-T0 - V5.50(ABVL.0)C0 - Retrieve IP Ping Results - TR069 testing</li> </ol>
Home Device	<ol style="list-style-type: none"> <li>[#152620] WX3100-T0 - Ethernet LAN clients connected to a Repeater are not listed in the MPro Mesh App</li> </ol>
Router Information	<ol style="list-style-type: none"> <li>[#159441] [Nology] Set SSID to custom one - SSID is configured twice</li> </ol>

## Modifications in 5.50(ABVL.1)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WiFi	<ol style="list-style-type: none"> <li>[#149556] v5.50(AVBL.0)b7 - WX3100-T0 - MPro Mesh App - Does not resolve hostnames only MAC addresses</li> </ol>
GUI	<ol style="list-style-type: none"> <li>[#149554] v5.50(AVBL.0)b7 - WX3100-T0 - ROM-D functionality contains no Save option</li> </ol>
SYSTEM	<ol style="list-style-type: none"> <li>[#155334] [Feature] WX3100-T0, cancel signal too strong Amber LED</li> </ol>



### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>1. #211000170 - WX3100, iPhone 11 Pro disconnected after idle/sleep</li> <li>2. [#152621] WX3100-T0 - v5.50(ABVL.0)b8 - MPro Mesh App reports all connected devices as wired not wireless</li> <li>3. [#153010] WX3100-T0 Mpro Mesh - Set SSID to custom one - SSID is configured twice</li> </ol>
SYSTEM	<ol style="list-style-type: none"> <li>2. [#156203] WX3100-T0 / IPv6 / No Default Route</li> <li>3. [#157879] TR-069 interface binding unstable with IPv6</li> </ol>

## Modifications in 5.50(ABVL.1)b1

### ● Feature Enhancement

Modified Modules	Features Enhancement List
	<ol style="list-style-type: none"> <li>1. [#153239] support Lifemote agent TR-181 parameters</li> <li>2. [#155002] support pre-paired for Twin-pack</li> </ol>

### ● Bug Fixed

Modified Modules	Bug Fixed List

## Modifications in 5.50(ABVL.0)C0

Based on V5.50(ABVL.0)b10 to release V5.50(ABVL.0)C0

## Modifications in 5.50(ABVL.0)b10

### ● Feature Enhancement

Modified Modules	Features Enhancement List
	<ol style="list-style-type: none"> <li>1. Remove A134 NULL MAC STA patch</li> <li>2. Memory leak in mpad</li> <li>3. Block weather channels</li> <li>4. [A130] Cannot connect back after Radar detected</li> <li>5. IcmpSnEnable to per SSID (5G WLAN PC play IPTV will be broken picture severe)</li> </ol>

## ● Bug Fixed

Modified Modules	Bug Fixed List

## Modifications in 5.50(ABVL.0)b9

## ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>1. [#143001][MPro Mesh] AProaming will generate more ping loss, iPhone SE will disconnect</li> <li>2. [#149938][MPro Mesh] RP controller paired extender_RP agent will occurs call trace</li> <li>3. [#150061][MPro Mesh_Agent] According APP 2.2 Feature Enhancement, Generic FW does not support MESH Up/Down</li> <li>4. [#150072][MPro Mesh_Agent] The connection type of Extender-RP repeated switch to WiFi or Ethernet type</li> <li>5. [#150169][MPro Mesh] ZyPark MPro stress test environment, Stress testing it will cause Extender_RP1 to reboot</li> </ol>

## Modifications in 5.50(ABVL.0)b8

## ● Bug Fixed

Modified	Bug Fixed List
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Modules	
WLAN	<ol style="list-style-type: none"> <li>[143001][MPro Mesh] AP roaming will generate more ping loss, iPhone SE will disconnect</li> <li>[143471][MPro Mesh] ZyPark MPro stress test environment, Stress testing will cause "ZyMAPSteer" daemon disappear</li> </ol>

## Modifications in 5.50(ABVL.0)b7

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>[143001][MPro Mesh] AP roaming will generate more ping loss, iPhone SE will disconnect</li> <li>[143471][MPro Mesh] ZyPark MPro stress test environment, Stress testing will cause "ZyMAPSteer" daemon disappear</li> </ol>

## Modifications in 5.50(ABVL.0)b6

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>[#139522][MPro Mesh_Agent] When client connected to guest WiFi, that client can not use APP</li> <li>[#143001][MPro Mesh] AP roaming will generate more ping loss, iPhone SE will disconnect</li> <li>[#140235][Stress] WX3100 will call trace after multi clients connect over night stress</li> <li>[#135285][MPro Mesh] Onboarding Extender will enable extender guest wifi by itself</li> <li>[#137435][MPro Mesh_Agent for iOS] All Extender change to normal wifi clients in Devices list page when let all Extender disconnect and connect again or reboot controller</li> </ol>

## Modifications in 5.50(ABVL.0)b5

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WLAN	<ol style="list-style-type: none"> <li>[Telenor] WPS IOP issue with EX3301-T0 with WX3100-T0 verification               <ol style="list-style-type: none"> <li>Disable power saving mode</li> </ol> </li> <li>Update power table for CE certificate</li> </ol>
Security	<ol style="list-style-type: none"> <li>[#140744][BUGFIX][Common][CVE-2020-1971][Openssl] Correctly compare EdiPartyName in GENERAL_NAME_cmp()</li> </ol>

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>[#139035][MPro Mesh] Sometimes extender cannot sync new wifi setting from controller. (Rate: 2/5)</li> <li>[#138948][MPro Mesh] WX3100_RP Agent will disconnect/connect repeatedly after WX3100_AP controller do auto configure.</li> <li>[#139389][MPro Mesh_Agent] Add extender success, but all extender did not show in APP Home Page</li> <li>[#135795][MPro Mesh] AP roaming test fail</li> <li>[#135723][MPro Mesh] Band steering, Wifi client information disappears, Returning to the controller will not steer wifi client to 5G.</li> <li>[#138860][Wireless] Key in AP SSID/password on Operating Mode page, WX3100 connect to gateway, but ip address still keep on 192.168.1.2</li> <li>[#139291][MPro Mesh] AP_Agent connected RP_Controller, the RP_Controller will disconnect and cannot connect back non_Mesh GW wifi.</li> <li>[#138857][Wireless] After AP List connect to gateway, ip address still keep on 192.168.1.2</li> </ol>

	<ol style="list-style-type: none"> <li>9. [#138969][Wireless] After disable 2.4G and 5G, CPE will call trace and can't reconnect to GW.</li> <li>10. [#135139][Wireless] After modify wifi setting, all guest AP beacon will sent out.</li> <li>11. [#137265][System] Sometimes WX3100 will hang and console can't print any information after SW reboot. (1/150 times)</li> <li>12. [#139774][MPro Mesh] WX3100_AP Controller occurs call trace and the new wifi client cannot connect Controller wifi in ZyPark Mesh stress environment.</li> </ol>
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## Modifications in 5.50(ABVL.0)b4

### ● Feature Enhancement

Modified Modules	Features Enhancement List
WLAN	<ol style="list-style-type: none"> <li>1. ECONET update the max TX power <ul style="list-style-type: none"> <li>● mt7915d_max_tx_power_in_beacon_probe_rsp_test_patch</li> </ul> </li> </ol>

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	<ol style="list-style-type: none"> <li>1. [PQA #137413] [MPro Mesh_Agent] Reboot Extender via APP fail</li> <li>2. [PQA #137279] [MPro Mesh][1*AP_Agent + 2*RP_Agent topology] After AP controller do auto configure, RP_Agent occurs disconnect/reconnect continually and it does not sync wifi setting from AP Controller.</li> <li>3. [PQA #135795] [MPro Mesh] AP roaming test fail</li> <li>4. [PQA #135571] [MPro Mesh] Backhaul optimization cannot work.</li> <li>5. [PQA #137451] [MPro Mesh_Agent] Modify Extender name will lead agent crash</li> </ol>

	6. [PQA #135735] [MPro Mesh] Wifi backhaul throughput test is poor 7. [PQA #135475] [Wireless] WX3100 disconnect and re-connect to gateway when clients connect to WX3100. 8. [PQA #135890] [MPro Mesh] ZyPark MPro stress test environment, Stress testing will cause "ZyMAPSteer" daemon disappear
SYSTEM	1. [PQA #137136] [TR-069] After reboot WX3100, ACS URL will change to default.

## Modifications in 5.50(ABVL.0)b3

### ● Feature Enhancement

Modified Modules	Features Enhancement List

### ● Bug Fixed

Modified Modules	Bug Fixed List
WLAN	1. [PQA #135385] [MPro Mesh] Controller table is empty in Steering status page. 2. [PQA #135720] [MPro Mesh] It does not support L2Device reboot parameter in TR. 3. [PQA #135386] [MPro Mesh] WX3100 does not support Mesh log category. 4. [PQA #135377] [MPro Mesh] After do auto configure, sometimes RP_Agent cannot connect back AP controller. 5. [PQA #135439] [MPro Mesh] Extender_RP will loop and it cannot connect back controller when do auto configure or controller do reboot/ FW upgrade/ restore backup configure file. 6. [PQA #135115] [Wireless] SSID display error after run uplink/downlink WPS.

	<ol style="list-style-type: none"> <li>7. [PQA #135571] [MPro Mesh] Backhaul optimization cannot work.</li> <li>8. [PQA #135795] [MPro Mesh] AP roaming test fail</li> <li>9. [PQA #135723] [MPro Mesh] Band steering, Wifi client information disappears, Returning to the controller will not steer wifi client to 5G.</li> <li>10. [PQA #135741] [MPro Mesh] It cannot dump 2nd layer agent in mesh station list by using "zyslctl -a".</li> <li>11. [PQA #135574] [MPro Mesh] Link quality led light green on RP controller even rssi less than -50.</li> <li>12. [PQA #135211] [Wireless] Link LED can't work on Repeater mode (Gateway disable MESH)</li> <li>13. [PQA #135772] [MPro Mesh] WX3100 Agent cannot sync controller wifi setting if SSID has space character.</li> </ol>
SYSTEM	<ol style="list-style-type: none"> <li>1. [PQA #135585] [MPro Mesh_Agent] APP cannot search controller</li> <li>2. [PQA #135236] [Stress] Overnight stress test, DUT will happen call trace</li> <li>3. [PQA #133469] [TR-069] After Modify ACS URL, reboot DUT will call trace</li> <li>4. [PQA #133578] [System] Call trace and hang problem after restore default, restore config or GUI reboot</li> <li>5. [PQA #133536] [System] WX3100 call trace after upgrade to dummy or b1 FW (Need reboot)</li> <li>6. [PQA #133654] [TR-069] Upgrade FW to dummy from ACS server, reboot process will call trace</li> </ol>
LED	<ol style="list-style-type: none"> <li>1. [PQA #135268] [LED] RP mode, When disconnect Gateway link, Link LED still on</li> </ol>

## Modifications in 5.50(ABVL.0)b2

### ● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.50(ABVL.0)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List