

EX5501-B0 Generic

Firmware Release Note

V5.15(ABRY.0)C0

Date: Dec 06, 2019
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Revision History

Date	Release	Author	Description
2019/05/31	1.0	GuanHong Chen	FW release for V5.15(ABRY.0)b1
2019/07/08	2.0	GuanHong Chen	FW release for V5.15(ABRY.0)b2
2019/08/07	3.0	Justin Lin	FW release for V5.15(ABRY.0)b3
2019/09/11	4.0	ChaoChengDo	FW release for V5.15(ABRY.0)b4
2019/11/15	5.0	Zhongde Lai	FW release for V5.15(ABRY.0)b5
2019/12/04	6.0	Zhongde Lai	FW release for V5.15(ABRY.0)b6
2019/12/06	7.0	Zhongde Lai	FW release for V5.15(ABRY.0)C0

EX5501-B0 Generic V5.15(ABRY.0)C0 Release Note

Date: Dec 06, 2019

Supported Platforms:

Zyxel EX5501-B0

Versions:

Bootbase version : V1.60 | 11/13/2019 11:12:16

Firmware version : V5.15(ABRY.0)C0

Kernel version: 4.1.51

WLAN code version: 17.10 RC99.1301

3G WWAN package version: 1.18

Notes:

Public Domain Software Announcements

Open Source Used In Product	Version	From (Source)	License Terms	Modified / Used
atftp	0.7.1	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	2.78	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPLv2/GPLv3	Modified
dropbear	2018.76	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	1.95.8	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	1.4.16.3	https://git.netfilter.org/iptables/	GPLv2	Modified
jpegsrcc	v9a	http://www.iijg.org/	IJG	Used
json-c	0.12	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
libnfnethlink	1.0.1	https://git.netfilter.org/libnfnethlink/	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	4.1.51			Modified
logrotate	3.7.1	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	5.7.2	http://www.net-snmp.org/	ISC/BSD	Modified
ntfs-3g	2013.1.13	http://ntfs-3g.org	GPLv2/LGPLv2	Used
ntpclient	2007_365	http://doolittle.icarus.com/ntpclient/	GPLv2	Modified
openssl	1.0.2n	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	1.0.30	http://pureftpd.org	ISC/BSD	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD	Used
readline	5.2	http://cnswww.cns.cwru.edu/php/chet/readline/rtop.html	GPLv2	Used
samba	3.6.25	http://www.samba.org/samba/	GPLv3	Modified
sqlite	3.6.23.1	http://www.sqlite.org/	Public Domain License	Used
syslog-ng	2.0.10	https://github.com/balabit/syslog-ng	GPLv2	Used
tcpdump	4.2.1	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
zebra	0.93a	http://www.zebra.org/	GPLv2/LGPLv2	Used
zlib	1.2.7	https://github.com/madler/zlib	zlib	Used

Known issues

Modules	Issue	Risk Impact Information

Modifications in 5.15(ABRY.0)C0

● Feature Enhancement

Modified Modules	Bug Fixed List
	First FCS firmware released

Modifications in 5.15(ABRY.0)b6

● Bug Fixed

Modified Modules	Bug Fixed List
	[BUGFIX][BROADCOM][CS9088367]Wrong WLAN packet drop in case of high congestion which cause runner stuck

Modifications in 5.15(ABRY.0)b5

● Feature Enhancement

Modified Modules	Features Enhancement List
GUI	[eITS #190900380][#114118]EX5501 How to remove a Card from the WEB-GUI
SYSTEM	[eITS #190900791][#114471]EX5501 Support Energy-Efficient-Ethernet in TR-181 data-model <ul style="list-style-type: none"> ● Device.X_ZYXEL_Power_Management.EEE
	[eITS #190900790][#114470]EX5501 Disable eee on all Ethernet-ports
	[eITS #190900325][#114019]EX5501 Device.X_ZYXEL_LoginCfg.LogGp.i.Account.i.RemoteAccessPrivilege doesn't work

LED	[eITS #190900836][#114626]EX5501 LED-behavior when connected to 100Mbit on WAN
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● Bug Fixed

Modified Modules	Bug Fixed List
SYSTEM	[eITS #191001176][#116663]EX5501 zcfg_msg.c:235, _msg_recv(), WARNING: EID = 15, select() wait forever
	[eITS #190900429][#114051]EX5501 Formatting-error in default rom-file
WLAN	[eITS #190600865][#116633]EX5501 Configuration-parameter for length of auto-generated WiFi password
	[eITS #190900951][#114882]EX5501 Change Wi-Fi settings via Wi-Fi-card
Security	[eITS #190800137][#111795]IZyShell Privilege Escalation [privesc] - P1
LAN	[eITS #190801234][#114617]EX5501 LAN-port Bytes Sent counter in GUI stops at uint32 max value

● Issue Has Been Enhanced

Modified Modules	Bug Fixed List
SYSTEM	[eITS #190801106][#112930]EX5501 Ethernet IOP

Modifications in 5.15(ABRY.0)b4

● Feature Enhancement

Modified Modules	Features Enhancement List
SYSTEM	[eITS #190600145]EX5501 Get complete data-model
WLAN	[eITS #190600635][#109414]EX5501 Parameter to black-list characters from auto-generated WiFi Passphrase
	[eITS #190600289][#112307]EX5501 Support WPA3

● Bug Fixed

Modified Modules	Bug Fixed List
IGMP	[eITS #190800989][# 112874]Multiple STB's watching same multicast-channel fails

Modifications in 5.15(ABRY.0)b3

● Feature Enhancement

Modified Modules	Features Enhancement List
Cli	[eITS #190600540][#108492]EX5501 Add commands to busybox
WLAN	[#190600600]EX5501 Config-parameter for 5GHz SSID suffix
	[eITS #190700108][#109595]EX5501 Parameter to control case for auto-generated Wi-Fi passphrase
System	[eITS #190600832][#109358]EX5501 Still using old algorithm for generating supervisor-password

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.15(ABRY.0)b2

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.15(ABRY.0)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List