

**EX5600-T0/EX5601-T0/
EX5600-T1/EX5601-T1
Generic**

Firmware Release Note

V5.70(ACDZ.0)C0

Date: Sep 8, 2022
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Reviewer:

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Revision History

Date	Release	Author	Description
2022/04/06	1.0	Frank Chang	FW release for V5.70(ACDZ.0)b1
2022/05/23	2.0	Frank Chang	FW release for V5.70(ACDZ.0)b2
2022/06/22	3.0	Winnie Wen	FW release for V5.70(ACDZ.0)b3
2022/07/18	4.0	Frank Chang	FW release for V5.70(ACDZ.0)b4
2022/08/08	5.0	Frank Chang	FW release for V5.70(ACDZ.0)b5
2022/08/29	6.0	Frank Chang	FW release for V5.70(ACDZ.0)b6
2022/09/05	7.0	Frank Chang	FW release for V5.70(ACDZ.0)b7
2022/09/08	8.0	Frank Chang	FW release for V5.70(ACDZ.0)C0

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Generic
V5.70(ACDZ.0)C0
Release Note**

Date: Sep 08, 2022

Supported Platforms:

Zyxel EX5600-T0/EX5601-T0/EX5600-T1/EX5601-T1 Generic

Versions:

Bootbase version : V2.3 | 08/03/2022 16:53:32

Firmware version : V5.70(ACDZ.0)C0

Kernel version: 5.4.171

WLAN code version: 7.6.2.4

3G WWAN package version: 1.24

VoIP version: HERMAN4 GW 2.4 Release 4.3

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	GPLv2	Used
atftp	0.7.4	https://sourceforge.net/projects/atftp/	GPLv2	Modified
bridge-Utils	1.7	https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/	GPLv2	Modified
busybox	1.31.1	https://busybox.net/	GPLv2	Modified
clinkc	2.4	https://sourceforge.net/projects/clinkc/	BSD	Modified
conntrack-tools	1.4.6	https://git.netfilter.org/conntrack-tools/	GPLv2	Used
dnsmasq	2.85	http://www.thekelleys.org.uk/dnsmasq/doc.html	GPLv2/GPLv3	Modified
dropbear	2020.81	https://github.com/mkj/dropbear	MIT	Modified
eatables	2018-06-27-48cff25d	https://git.netfilter.org/eatables/	GPLv2	Modified
eventlog	0.2.10	https://github.com/balabit/eventlog	BSD	Used
expat	2.2.10	https://github.com/libexpat/libexpat	MIT	Used
ez-ipupdate	3.0.11b8	http://ez-ipupdate.com/	GPLv2	Modified
gettext	0.19.8.1	http://www.gnu.org/software/gettext/	GPLv3	Used
glib	2.68.4	http://www.gtk.org/	LGPLv2.1	Used
iproute2	5.11.0	https://github.com/shemminger/iproute2	GPLv2	Modified
iptables	1.8.7	https://git.netfilter.org/iptables/	GPLv2	Modified
json-c	0.15	https://github.com/json-c/json-c/downloads	MIT	Modified
libedit	20210419-3.1	http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/	BSD	Modified
libffi	3.3	http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/	MIT	Used
libiconv	1.16	http://www.gnu.org/software/libiconv/	LGPLv2	Modified
libnetfilter_conntrack	1.0.8	https://git.netfilter.org/libnetfilter_conntrack/	GPLv2	Used
libnetfilter_queue	1.0.5	https://git.netfilter.org/libnetfilter_queue/	GPLv2	Used

libnfnetwork	1.0.1	https://git.netfilter.org/libnfnetwork/	GPLv2	Used
libnl-tiny	2020-08-05-c2 91088f	https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny	GPLv2/LGPLv2.1	Used
libpcap	1.9.1	www.tcpdump.org	BSD	Used
libtool	2.4.6	http://www.gnu.org/software/libtool/	GPLv2	Used
libusb	1.0.24	https://sourceforge.net/projects/libusb/	LGPL 2.1	Used
Linux/Arm Kernel	5.4.171		GPLv2	Modified
logrotate	3.17.0	https://launchpad.net/ubuntu/hardy/i386/logrotate	GPLv2	Modified
mailsend	1.19	https://github.com/muquit/mailsend/	BSD	Modified
ncurses	6.2	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
net-snmp	5.8	http://www.net-snmp.org/	ISC/BSD	Modified
ntfs-3g	2021.8.22-3	http://ntfs-3g.org	GPLv2/LGPLv2	Used
ntpclient	2015_365	http://doolittle.icarus.com/ntpclient/	GPLv2	Modified
openssl	1.1.1h	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	8.1	http://cnswww.cns.cwru.edu/php/chet/readline/rlt_op.html	GPLv2	Used
sqlite	3330000	http://www.sqlite.org/	Public Domain License	Used
syslog-ng	2.0.10	https://github.com/balabit/syslog-ng	GPLv2	Used
tcpdump	4.9.3	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	2.36.1	https://github.com/karelzak/util-linux/	GPLv2	Used
wide-dhcpv6	20080615	https://sourceforge.net/projects/wide-dhcpv6/	BSD	Modified
zlib	1.2.11	https://github.com/madler/zlib	zlib	Used

Known issues

Modules	Issue	Risk Impact Information

Modifications in 5.70(ACDZ.0)C0

Based on V5.70(ACDZ.0)b7 to release V5.70(ACDZ.0)C0

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in 5.70(ACDZ.0)b7

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
WiFi	[#173013] [MPro Mesh][Time:1hr][Occur: 2 time] EX5601 occurs resource temporarily unavailable of the 1905Daemon, it will lead mesh topology disappear during Mesh stress testing period.

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Modifications in 5.70(ACDZ.0)b6

● Feature Enhancement

Modified Modules	Features Enhancement List
WiFi	MTK release new FW bin for DFS certification
WiFi	Country UK support U-NII3 band

● Bug Fixed

Modified Modules	Bug Fixed List
WiFi	Detect radar then wifi reload couldn't select channel

Modifications in 5.70(ACDZ.0)b5

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
Throughput	[165099] [Throughput] 5G wireless throughput does not pass PQA criterion
System	[170788] [System] Enable Zyxel Exec Env will fail, let ZyEE function cannot work.
Document	[170834] [Document] CPE does not match Default Setting.
NAT	[170779] [NAT] CPE happen call trace when create port trigger and LAN PC run heavy traffic.

SIP	[170773] [RD Internal][VoIP] After CPE establishes a SIP call, the ACS server does GPV ['Device.Services.VoiceService.1.VoiceProfile.1.Line.1.Stats.']. will lead to VoIP cannot work anymore.
TR-143	[167918] [TR-143] Throughput for upload diagnostic does not pass PQA criterion.
MESH	[MPro mesh] AP roaming test found that the record will stay at "IN_STEERING" will not be updated

Modifications in 5.70(ACDZ.0)b4

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
Stress	[#165089] [Stress] CPE happen call trace (one time) then 24G/5G can not connect to CPE after run 學禮樓 [#167596] [Stress] CPE run Reboot+change pppoe account stress via TR069 will happen core dump. [#169616] [Stress] CPE happen call trace after run NBL stress then stop NBL stress. (stress time > 3 minutes)
Throughput	[#168324] [Throughput] SFP (PMG3000) download throughput only 384M (packet size:1518)
LED	[#168323] [LED] SFP LED display off when CPE connect to OLT2406.
WAN	[#167923] [WAN] When SFP WAN is up, LAN client using "ping" will happen packets lost and playing IPTV will not be smooth
TR-143	[#167918] [TR-143] Throughput for upload diagnostic does not pass PQA criterion.

Modifications in 5.70(ACDZ.0)b3

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
MGMT	[#165081] [ACTS/MGMT] Restore configuration via ACS, After reboot config not change
IGMP	[#164806] [IGMP] Can't play IPv6 MLD stream
WAN	[#168180] [WAN] CPE not support 2.5G WAN for PMG3000. [#167385] [WAN] In IPoE with VLAN, WLAN client access internet very long time (more than 10 minutes) and ftp upload/download very slow.
LED	[#167912] [LED] CPE internet LED display red when plug in the 3G dongle and get WAN ip. [#167689] [LED] In PPPoE mode, Internet LED display red.
GUI	[#167848] [GUI] Go VoIP > Call History, GUI will keep loading.
Document	[#167610] [Document] CPE's VoIP setting does not match Default Setting. [#165263] [document] PS document not match CPE.
WLAN	[#167373] [WLAN] 24G&5G get IPv4/v6 address, it can not access https web.

Modifications in 5.70(ACDZ.0)b2

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified	Bug Fixed List

Modules	
WAN	<p>[#165314] [WAN] PMG3000 (V250ABVJ1b1) connect to CPE but it will work fail.</p> <p>[#164920] [WAN] LAN PC can't ping outside after 3G back wan up</p> <p>[#164858] [WAN] VLAN Autohunt function cannot work</p> <p>[#164381] [WAN] In IPoE with VLAN, LAN PC access internet very long time. (more than 15 minutes)</p>
Stress	<p>[#165254] [ACTS/Stress] CPE does not connect to ACS server after run Reboot + change PPP username/password stress via TR069.</p> <p>[#165152] [Stress] CPE happen 45 times call trace after LAN & WLAN overnight Stress testing and doing Firmware Upgrade via TR069</p> <p>[#165080] [Stress] 2.4G and 5G do not send beacon anymore after full loading stress over the weekend and do TR-069 firmware upgrade. (CPE is calibration board)</p> <p>[#165010] [Stress] CPE cannot connect to ACS Server after doing TR0-69 firmware upgrade stress overnight.</p> <p>[#165000] [Stress]CPE happen 3 times call trace when it run USB stress + FW upgrade (from TR069)</p> <p>[#164998] [Stress] CPE WAN cannot get IP after overnight stress</p> <p>[#164888] [Stress] During NBL 72 hrs stress, CPE console keeps printing messages and then reboot.</p>
USB	<p>[#165120] [USB] LAN / WLAN clients download/upload file through samba server will happen call trace.</p>
GUI	<p>[#165045] [GUI] The wireless client icon and informationg will display in Wire page</p>
TR143	<p>[#164817] [ACTS/TR143] Set TR143 Parameters cause the DUT hang</p>
NAT	<p>[#164782] [NAT] Follow DST, CPE should support PCP page.</p>
Document	<p>[#164769] [Document] CPE does not match Default Setting.</p>
IGMP	<p>[#164757] [IGMP] GUI multicast Status will keep loading can't access</p> <p>[#164746] [IGMP] GUI IGMP/MLD page some setting not work</p>
Maintenance	<p>[#164747] [Maintenance] CPE not support SP Domain.</p>
WLAN	<p>[#164710] [WLAN] WLAN Station Status page cannot display any information when wireless client is connected.</p> <p>[#164544] [WLAN] WPS LED isn't amber blinking when WPS process is in progress.</p>

Security	[#164552] [Security] Some MAC Filter CLI can not work. [#164485] [Security] Parental Control work fail.
Routing	[#164480] [Routing] RIP function cannot work. (CPE cannot send RIP packets)
DLNA	[#164422] [DLNA] DLNA work fail.
VoIP	[#168271] [VoIP] CPE has support G.726-24 and G.726-32 codec.

Modifications in 5.70(ACDZ.0)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
System	[#164359] [System] CPE upgrade FW via expressboot but GUI/Console display V5.70(ACDZ.0)b0