

PM5100-T0 Generic/ PM3100-T0 Generic

Firmware Release Note

V5.42(ACBF.1.1)C0

Date: Dec 02, 2022
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Revision History

Date	Release	Author	Description
2021/09/28	1.0	GuanHong Chen	FW release for V5.42(ACBF.0)b1
2021/11/19	2.0	GuanHong Chen	FW release for V5.42(ACBF.0)b2
2021/12/20	3.0	GuanHong Chen	FW release for V5.42(ACBF.0)b3
2022/02/16	4.0	GuanHong Chen	FW release for V5.42(ACBF.0)b4
2022/03/03	5.0	GuanHong Chen	FW release for V5.42(ACBF.0)b5
2022/04/13	6.0	GuanHong Chen	FW release for V5.42(ACBF.0)b5
2022/04/18	7.0	GuanHong Chen	FW release for V5.42(ACBF.0)C0
2022/09/20	8.0	Cindy Chen	FW release for V5.42(ACBF.1)b1
2022/09/30	9.0	Cindy Chen	FW release for V5.42(ACBF.1)b2
2022/10/06	10.0	Cindy Chen	FW release for V5.42(ACBF.1)C0
2022/12/01	11.0	Cindy Chen	FW release for V5.42(ACBF.1.1)b1
2022/12/02	12.0	Cindy Chen	FW release for V5.42(ACBF.1.1)C0

**PM5100-T0 Generic/ PM3100-T0 Generic
V5.42(ACBF.1.1)C0
Release Note**

Date: Dec 02, 2022

Supported Platforms:

Zyxel PM5100-T0 / PM3100-T0

Versions:

Bootbase Version : V2.0 | 9/30/2022 10:17:42

Firmware version : V5.42(ACBF.1.1)C0

Kernel version: 4.4.115

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	2.67	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	1.4.21	https://git.netfilter.org/iptables/	GPLv2	Modified
jpegsrcc	v9a	http://www.iijg.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
libstrophe	0.10.0	https://github.com/strophe/libstrophe	GPLv2	Used
Linux/Arm Kernel	4.1.52			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	1.1.1n	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/rltop.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 V5.42(ACBF.1.1)C0

● Feature Enhancement

Modified Modules	Features Enhancement List
FCS	Based on V5.42(ACBF.1.1)b1, Change to FCS version

Modifications in V5.42(ACBF.1.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
Security	<ol style="list-style-type: none">1. [#179010]Zyxel-SI-1433 [Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability for PM5100-T02. [#178655]Zyxel-SI-1441 [Vulnerability] Hidden SSID and symbolic Links in ftpd of AX7501-B0

Modifications in V5.42(ACBF.1)C0

● Feature Enhancement

Modified Modules	Features Enhancement List

FCS	Based on V5.42(ACBF.1)b2, Change to FCS version
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Modifications in V5.42(ACBF.1)b2

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
OMCI	[#174415]PM5100-T0 - blocked untagged traffic in the US direction
IPv6	[#174101][IPv6] The IPoE WAN can not get IPv6 address for TR-069 management.

● Issues had been Enhanced

Modified Modules	Bug Fixed List

Modifications in V5.42(ACBF.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
System	[#172208]PM5100-T0 close un-used interfaces
TR-181	[#170200][eITS 220700467]PM5100-T0 TR181 RootDataModelVersion check
OMCI	1. [#168143][eITS 220300947]PM5100-T0 - SFP+ info request from Huawei OLT

	<ol style="list-style-type: none"> 2. [#167476][eITS 220301186]PM5100-T0 - factory reset via OMCI ---Support Huawei OLT 3. [#163220][eITS 220301240]PM5100-T0 - OMCI KO communication vs Nokia OLT 4. [#162948][eITS 220300262]PM5100-T0 - OMCI KO communication vs Nokia OLT
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● Bug Fixed

Modified Modules	Bug Fixed List
OMCI	<ol style="list-style-type: none"> 1. [#172617][eITS 220701202]Multicast-forward tag translation - Huawei MA56xx OLT 2. [#170599][eITS 220700103]PM5100-T0 IPTV service is not working on Adtran OLT 3. [#169388][eITS 220600411]PM5100-T0 - ont-eth counters do not work 4. [#167093][eITS 220301457]NOKIA OLT - Conflict on managing VLANs ID in scenarios with different services with Different SVLAN ID but same CVLAN ID 5. [#166882][eITS 220500165]Huawei OLT: display MAC address command doesn't work 6. [#166826][eITS 220500620][PM5100-T0] Connection works, but Oper. Status is Down. 7. [#166814][eITS 220301456]NOKIA OLT - Unexpected traffic remarked on Downstream side 8. [#166812][eITS 220301454]NOKIA OLT - Unexpected remarking of Data Traffic on VLANs 100 and 102 on upstream side 9. [#166806][eITS 220500164]Huawei OLT: Unexpected traffic remarking 10. [#166590][eITS 220301452]NOKIA OLT - Wrong queue management and upstream traffic schedule 11. [#166588][eITS 220301451]NOKIA OLT - ONT UNI interface and VLAN recognized as Operative state DOWN 12. [#166395][eITS 220500166]Huawei OLT: Standby Software version doesn't be shown

	13. [#167534][eITS 220500449]PM5100-T0 - blocked untagged traffic in the US direction 14. [#167530][eITS 220500098]PM5100-T0 - VLAN addition
QoS	[#166584][eITS 220500209]priority scheduling doesn't work in Upstream
Security	[#169459][PM5100-T0] [Vulnerability][Generic] cleartext storage of sensitive information vulnerability

● Issues had been Enhanced

Modified Modules	Bug Fixed List

Modifications in V5.42(ACBF.0)C0

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.42(ACBF.0)b6

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified	Bug Fixed List
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Modules	
GPON	[#155043][GPON] ONT's GPON status mismatch with OLT display

Modifications in V5.42(ACBF.0)b5

● Feature Enhancement

Modified Modules	Features Enhancement List
OMCI	[ENHANCE][#161800][eITS #220101058][PM5100-T0] PM5100-T0 - error in OMCI communication

● Bug Fixed

Modified Modules	Bug Fixed List
GPON	<ol style="list-style-type: none"> #155043 [GPON] ONT's GPON status mismatch with OLT display. #161736 [WAN] ONT's MGMT WAN does not get IP address after reboot and unplug/plug PON line

Modifications in V5.42(ACBF.0)b4

● Feature Enhancement

Modified Modules	Features Enhancement List
IGMP	#159213 [IGMP] Support Downstream IGMP and multicast TCI

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.42(ACBF.0)b3

● Feature Enhancement

Modified	Features Enhancement List
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Modules	

● Bug Fixed

Modified Modules	Bug Fixed List
GUI	1. #155501 [GUI] There are unnecessary information on card page of system info. 2.#154939 [DST] The GUI does not match with DST file. 3.#154932 [PS] The ONT's GUI mismatch the PS. 4. #155305 [GUI] The LAN port speed duplex info can not be shown at card page system info. #155620 [System] Change "Supervisor" password by 64 characters that GUI will pop the error message.
TR-069	#157874 [TR-069][TR-181] GPV ['Device.'], ONT returns faultcode 9005.
GPON	#155024 [GPON] Can not set SLID via GUI
IGMP	#155154 [IGMP] Can not play IPTV by VLC in Huawei OLT setting.

Modifications in V5.42(ACBF.0)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
Co-fw	Support co-fw between PM5100-T0 and PM3100-T0

● Bug Fixed

Modified Modules	Bug Fixed List
GUI	#155516 [GUI] There are unnecessary information on card page of LAN. #155513 [GUI] There is no any device information can be shown on connectivity page. #155501 [GUI] There are unnecessary information on card

	<p>page of system info.</p> <p>#154939 [DST] The GUI does not match with DST file.</p> <p>#154932 [PS] The ONT's GUI mismatch the PS.</p> <p>#155366 [GUI] GUI display incorrect web page after press F5.</p> <p>#155322 [GUI] The GUI should remove unnecessary function.</p> <p>#155290 [WAN] GUI should not allow user to add new WAN interface</p> <p>#155776 [Log setting] The unnecessary active log item should be removed.</p> <p># 155070 [Log] There is no any log in system monitor log page.</p>
System	<p>#155778 [System] Enable button of ZlogSetting function can't be enabled</p> <p>#155479 [System] Login admin account on CLI, keyin the command "zycli reboot", but CPE doesn't reboot</p> <p>#155373 [System] The console print fail message if do FW upgrade by express tool.</p> <p>#155370 [System] The power LED wrong if do FW upgrade by express tool include clear ROM-D config.</p> <p>#155313 [System] Enable SSH function, but use "Putty" tool can't connect 192.168.0.1 successfully</p> <p>#155686 [System] The account password is not empty in backup configuration.</p> <p>#155599 [System] Language list box only contains "English".</p>
TR-069/TR-098	<p>#155424 [TR-069] CPE didn't return fault code when server GPV "Device.." on TR-181 data model.</p> <p>#155411 [TR-069] Upload vendor log to file server fail.</p> <p>#155321 [TR-098] TR098 parameter include WLAN/Port forward/IGMP.. Parameter.</p> <p>#155289 [TR-069] ONT parse ACL URL with domain name fail.</p> <p>#155258 [TR-069] ONT shows CWMP fault when it connected to ACS that will cause to the ONT status on ACS show CONFIGURE FAILED.</p>
GPON	<p>#155296 [GPON] The IP_Host WAN can not get IP address if set IP_Host as DHCP by OLT</p> <p>#155153 [GPON] The traffic can not be forwarded if Huawei OLT configure ETH port at index 1.</p>

	#155150 [GPON] Set VLAN QinQ by Huawei OLT will cause ONT exception.
Others	#155320 [LED] When the firmware upgrade is ongoing, the power LED is Green on. but PS document description is Red blinking #155440 [Remote Mgmt] FTP/SSH via LAN/WAN port will be denied

Modifications in V5.42(ACBF.0)b1

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
QoS	1.[#159158][QoS] The strict priority(SP) can not work by upstream and downstream.
IPv6	1.[#155281][IPv6] The IPv6 packet can not pass-through by ONT.