PM7500-00 series
Generic

Firmware Release Note

V5.61(ACKK.1.6)C0

Date: Aug. 18, 2026
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TABLE OF CONTENTS

REVISION HISTORY..... 4
SUPPORTED PLATFORMS:..... 6
VERSIONS:..... 6
NOTES:..... 6
MODIFICATIONS IN V5.61(ACKK.1.6)C0..... 10
MODIFICATIONS IN V5.61(ACKK.1.6)B1..... 10
MODIFICATIONS IN V5.61(ACKK.1.5)C0..... 10
MODIFICATIONS IN V5.61(ACKK.1.5)B1..... 10
MODIFICATIONS IN V5.61(ACKK.1.4)C0..... 10
MODIFICATIONS IN V5.61(ACKK.1.4)B1..... 11
MODIFICATIONS IN V5.61(ACKK.1.3)B1..... 11
MODIFICATIONS IN V5.61(ACKK.1.2)C0..... 11
MODIFICATIONS IN V5.61(ACKK.1.2)B1..... 11
MODIFICATIONS IN V5.61(ACKK.1.1)C0..... 12
MODIFICATIONS IN V5.61(ACKK.1.1)B1..... 12
MODIFICATIONS IN V5.61(ACKK.1)C0..... 12
MODIFICATIONS IN V5.61(ACKK.1)B2..... 12
MODIFICATIONS IN V5.61(ACKK.1)B1..... 13
MODIFICATIONS IN V5.61(ACKK.0.3)C0..... 14
MODIFICATIONS IN V5.61(ACKK.0.3)B1..... 14
MODIFICATIONS IN V5.61(ACKK.0.2)C0..... 14
MODIFICATIONS IN V5.61(ACKK.0.2)B1..... 14
MODIFICATIONS IN V5.61(ACKK.0.1)C0..... 15
MODIFICATIONS IN V5.61(ACKK.0.1)B1..... 15
MODIFICATIONS IN V5.61(ACKK.0)C0..... 15
MODIFICATIONS IN V5.61(ACKK.0)B4..... 16

MODIFICATIONS IN V5.61(ACKK.0)B3 16
MODIFICATIONS IN V5.61(ACKK.0)B2 17
MODIFICATIONS IN V5.60(ACKK.0)B1 17

Revision History

Date	Release	Author	Description
2024/02/27	1.0	Zhongde Lai	FW release for V5.60(ACKK.0)b1
2024/03/28	2.0	Zhongde Lai	FW release for V5.61(ACKK.0)b2
2024/06/07	3.0	Zhongde Lai	FW release for V5.61(ACKK.0)b3
2024/07/01	4.0	Zhongde Lai	FW release for V5.61(ACKK.0)b4
2024/07/01	5.0	Zhongde Lai	FW release for V5.61(ACKK.0)C0
2024/10/04	6.0	Zhongde Lai	FW release for V5.61(ACKK.0.1)b1
2024/10/23	7.0	Zhongde Lai	FW release for V5.61(ACKK.0.1)C0
2025/04/01	8.0	Cindy Chen	FW release for V5.61(ACKK.0.2)b1
2025/04/01	9.0	Cindy Chen	FW release for V5.61(ACKK.0.2)C0
2025/04/24	10.0	Cindy Chen	FW release for V5.61(ACKK.0.3)b1
2025/04/24	11.0	Cindy Chen	FW release for V5.61(ACKK.0.3)C0
2025/05/14	12.0	Cindy Chen	FW release for V5.61(ACKK.1)b1
2025/06/26	13.0	Cindy Chen	FW release for V5.61(ACKK.1)b2
2025/07/02	14.0	Cindy Chen	FW release for V5.61(ACKK.1)C0
2025/08/22	15.0	Cindy Chen	FW release for V5.61(ACKK.1.1)b1
2025/08/22	16.0	Cindy Chen	FW release for V5.61(ACKK.1.1)C0
2025/12/18	17.0	Justin Lin	FW release for V5.61(ACKK.1.2)b1
2025/12/19	18.0	Justin Lin	FW release for V5.61(ACKK.1.2)C0
2026/04/02	19.0	Cindy Chen	FW release for V5.61(ACKK.1.3)b1
2026/04/23	20.0	Cindy Chen	FW release for V5.61(ACKK.1.4)b1

2026/04/23	21.0	Cindy Chen	FW release for V5.61(ACKK.1.4)C0
2026/06/30	22.0	Cindy Chen	FW release for V5.61(ACKK.1.5)b1
2026/06/30	23.0	Cindy Chen	FW release for V5.61(ACKK.1.5)C0
2026/08/11	24.0	Cindy Chen	FW release for V5.61(ACKK.1.6)b1
2026/08/18	25.0	Cindy Chen	FW release for V5.61(ACKK.1.6)C0

PM7500-00 Series Generic V5.61(ACKK.1.6)C0 Release Note

Date: Aug. 18, 2026

Supported Platforms:

Zyxel PM7500-00 series

Versions:

Bootbase Version : V2.13 | 04/22/2026 09:11:45
Firmware version : V5.61(ACKK.1.6)C0
Kernel version: 5.4.55

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	0.8.0	https://sourceforge.net/projects/atftp/	GPLv2	Modified
binutils	2.35.1	https://sourceware.org/pub/binutils/releases/	GPLv2	Used
bridge-Utils	1.7	https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/	GPLv2	Modified
busybox	1.33.1	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	Modified
dropbear	2024.85	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	2.7.1	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/	GPLv2	Used
glib	2.66.4	http://www.gtk.org/	LGPLv2	Used
iproute2	5.11.0	https://github.com/shemminger/iproute2	GPLv2	Modified
iptables	1.8.7	https://git.netfilter.org/iptables/	GPLv2	Modified
jpegsrc	v9a	http://www.ijg.org/	IJG	Used
json-c	0.15	https://github.com/json-c/json-c/downloads	MIT	Modified
kmod	27	https://www.kernel.org/pub/linux/utils/kernel/kmod	LGPL2.1	Used
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
libnfnetlink	1.0.1	https://git.netfilter.org/libnfnetlink/	GPLv2	Used
libnl-tiny	2023-07-27-bc92a280	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	1.0.9	https://sourceforge.net/projects/libusb/	LGPL 2.1	Used
libstrophe	0.10.0	https://github.com/strophe/libstrophe	GPLv2	Used
Linux/Arm Kernel	5.4.55	http://ftp.ntu.edu.tw/pub/linux/kernel/v5.x/	GPLv2	Modified
logrotate	3.22.0	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPLv2	Modified
ncurses	6.2	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
ntfs-3g	2021.8.22	http://ntfs-3g.org	GPLv2/LGPLv2	Used
ntpclient	2015	http://doolittle.icarus.com/ntpclient/	GPLv2	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	GPLv2/BSD	Modified
pure-ftpd	1.0.50	http://pureftpd.org	ISC/BSD	Modified
radvd	1.8	http://www.litech.org/radvd/	BSD	Used
readline	8.2	http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html	GPLv2	Used
samba	3.6.25	http://www.samba.org/samba/	GPLv2	Modified
sqlite	3460000	http://www.sqlite.org/	Public Domain License	Used
syslog-ng	4.7.1	https://github.com/balabit/syslog-ng	GPLv2	Used
tcpdump	4.99.4	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
zebra	0.95a	http://www.zebra.org/	GPLv2/LGPLv2	Used

zlib	1.3.1	https://github.com/madler/zlib	zlib	Used

Known issues

Modules	Issue	Risk Impact Information

Modifications in V5.61(ACKK.1.6)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1.6)b1, Change to FCS version

Modifications in V5.61(ACKK.1.6)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#257033] [CVE-2026-12489] Zyxel-SI-1680 [Vulnerability] GUI access to restricted menu pages vulnerability

Modifications in V5.61(ACKK.1.5)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1.5)b1, Change to FCS version

Modifications in V5.61(ACKK.1.5)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#256004][CVE-2026-6952] Zyxel-SI-1666 [Vulnerability] A post-authentication command injection vulnerability exists in the syslog component

Modifications in V5.61(ACKK.1.4)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1.4)b1, Change to FCS version

Modifications in V5.61(ACKK.1.4)b1

- **Feature Enhancement**

Modified Modules	Features Enhancement List
System	[# 252475] Support new flash W25N01KVZEIR

Modifications in V5.61(ACKK.1.3)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
OMCI	1. [#241134][eITS#250800082]OLT can't show PM7500 ip-host detail information 2. [#252014][eITS#260301039]PM7500 supports downstream mode =6

Modifications in V5.61(ACKK.1.2)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1.2)b1, Change to FCS version

Modifications in V5.61(ACKK.1.2)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	1. [#247116][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 2. [#247117][CVE-2025-13942、CVE-2025-13943] Zyxel-SI-1644

	[Vulnerability] Command injection vulnerabilities in zupnp and zhttpd binaries in customized firmware

Modifications in V5.61(ACKK.1.1)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1.1)b1, Change to FCS version

Modifications in V5.61(ACKK.1.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	3. [#240102][CVE-2025-6599] Zyxel-SI-1616 [Vulnerability] Slow HTTP DoS vulnerability in the DX3301-T0 4. [#240103][CVE-2025-6599] Zyxel-SI-1621 [Vulnerability] Slow read DoS vulnerability on the zhttpd web server 5. [#240105][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
Other	[#240073][eITS#250500495]In same topologyServer -----NeoX-06(OLT 1-1) --- PM7500 ---DX3301If server ping to DX3301, we will see DX3301 reply successfully but PM7500 doesn't forward reply packt.

Modifications in V5.61(ACKK.1)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.1)b2, Change to FCS version

Modifications in V5.61(ACKK.1)b2

- **Feature Enhancement**

Modified Modules	Features Enhancement List
TR-069	[#236955][eITS#250600948]Requesting implement full scope of TR-069a5 including Device.Hosts. parameters

- **Bug Fixed**

Modified Modules	Bug Fixed List
OMCI	1. [#235463][GPON]From OLT to locking the 10G LAN port does not take any effect. 2. [#235919][eITS#250500914] ONT ETH port status not correctly reported

Modifications in V5.61(ACKK.1)b1

- **Feature Enhancement**

Modified Modules	Bug Fixed List
System	1. [#228214][eITS#250200213] PM7500, Make solution in 231001845 configurable. LAN port restart from LOS 2. [#233756][ENHANCE] Upgrade software packages
GUI	[#231818] [#231999]WEB GUI meets the request of Europe EAA (European Accessibility Act)
TR-069	[#233475][eITS#250401710] PM7500-00 - Optical values are zero
OMCI	1. [#234014][ENHANCE] Support ZYXEL OLT 2. [# 234404] [eITS#250301376]eITS_250301374 DHCP ACK or request packets missing with the new FW PM7500-00

- **Bug Fixed**

Modified Modules	Bug Fixed List
System	[#217583][PE5301-00][PM7500-00] MOS will crash after using mibdump to dump all ME
OMCI	3. [#233635][Nokia] The operation status of uni port / vlan port / administrative is incorrect after a LOS event 4. [#216933][eITS#240800617] PM7500 - high priority traffic is not passing through

Security	1. [#234272][CVE-2024-8176] Zyxel-SI-1605 [Vulnerability] The libexpat open source library is vulnerable to DoS attacks through stack overflow 2. [#234273][eITS#250400461] CVE-2024-6531: Bootstrap v4.6.2 Vulnerability
Others	[#233301][eITS#250301839] Untagged service shows "reordered frames" in downstream direction.

Modifications in V5.61(ACKK.0.3)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.0.3)b1, Change to FCS version

Modifications in V5.61(ACKK.0.3)b1

- **Feature Enhancement**

Modified Modules	Bug Fixed List
TR-069	[#233072] [eITS#250400248] PM7500-00 - Get Parameter Names function - empty string

Modifications in V5.61(ACKK.0.2)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.0.2)b1, Change to FCS version

Modifications in V5.61(ACKK.0.2)b1

- **Feature Enhancement**

Modified Modules	Bug Fixed List
OMCI	1. [#227249][eITS#250100613]PM7500-00 - reporting of ME 344 does not work 2. [#230023][eITS#250300030] PM7500-00 - ME 11 does not

	work
System	[#221791]Support 9K Jumbo frame

- **Bug Fixed**

Modified Modules	Bug Fixed List
xPON	3. [#228143][eITS#250101682] PM7500, ONU spend 50+ minutes doing registry towards ADTRAN OLT 4. [#228880][eITS#240701399]PM7500-00 FW V561ACKK0C0 issue during adaptation phase with ADTRAN OLT 5. [#229161][eITS#250201335]PM7500, Mosapp not running causing ONU deactivation and re-registration issues 6. [#230752][eITS#250301787]PM7500, Unplugging/Plugging fiber 3-4 times cause reregistration issues

Modifications in V5.61(ACKK.0.1)C0

- **Feature Enhancement**

Modified Modules	Bug Fixed List
FCS	Based on V5.61(ACKK.0.1)b1, Change to FCS version

Modifications in V5.61(ACKK.0.1)b1

- **Bug Fixed**

Modified Modules	Bug Fixed List
Security	[#219785][CVE-2024-8748][Zyxel-SI-1576][Vulnerability] Unauthenticated buffer overflow in VMG8825-T50

Modifications in V5.61(ACKK.0)C0

- **Feature Enhancement**

Modified Modules	Features Enhancement List
FCS	Based on V5.61(ACKK.0)b4, Change to FCS version

Modifications in V5.61(ACKK.0)b4

- **Bug Fixed**

Modified Modules	Bug Fixed List
GPON	[#213426][GPON] ONT can not bootup if under Bi-direction 8G traffic and then reboot by command
TR-143	[#213055][TR143] The Upload rate 1534Mbps can not pass PQA criterion(LinkRate's 90%)

Modifications in V5.61(ACKK.0)b3

- **Feature Enhancement**

Modified Modules	Features Enhancement List
GUI	[#207886][ENHANCE] Change GPON status to Optical status

- **Bug Fixed**

Modified Modules	Bug Fixed List
System	1. [#207253][System] It can not use expressboot tool to do FW upgrade 2. [#207255][System] The port mirror from wan to lan can not work 3. [#212072]RTL8261BE-CG 10G PHY sometimes only link on 5000Mbps
TR-069	[#207258][TR-069] CPE can't connect to ACS via two-way ssl
QoS	[#207152][QoS] The strict priority queue don't work by upstream
Security	1. [#211777]Zyxel-SI-1557 [Vulnerability] Unauthenticated heap buffer overflow in the libclinkc library 2. [#212429]Zyxel-SI-1559 [Vulnerability] Multiple authenticated buffer overflow vulnerabilities in VMG8825-T50 3. [#212222][Security] Header Security Test

Modifications in V5.61(ACKK.0)b2

● Feature Enhancement

Modified Modules	Features Enhancement List
System	[#208638][PM7500-00] update EN8811 driver to v1.2.4

● Bug Fixed

Modified Modules	Bug Fixed List
OMCI	[#207065][GPON] The statistics counter display from Huawei OLT is unreasonable
System	1. [#207312][System] Maintenance > Backup/Restore should support ROM-D sheet 2. [#207413][System] CPE does not support Schedule Reboot 3. [#207422][System] If change supervisor password that rule does not follow current OPAL Generic 4. [#207399][Maintenance] The admin account remote privilege will change to LAN/WAN after resotre backup configuration file
GUI	[#207194][GUI] The GUI page CPU/Memory status of system monitor no response and not list by DST
TR-069	[#207405][TR069][>90%] ACS server do Reboot RPC, but DUT doesn't reboot automatically
LED	[#208819][PM7500-00] LAN LED control change from software to PHY chip
IGMP	[#207163][IGMP] It can not join same IGMP group by IGMPv3 report from second ONT
Security	[#207535][Security] The password rule does not follow current OPAL Generic

Modifications in V5.60(ACKK.0)b1

● Feature Enhancement

Modified	Features Enhancement List

Modules	
	First release

- **Bug Fixed**

Modified Modules	Bug Fixed List