

DM4200-B0

Generic

Firmware Release Note

V5.17(ACBS.1)b6

Date: Oct. 4, 2024

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Reviewer:

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Revision History

Date	Release	Author	Description
2021/09/03	1.0	Yen-Chun, Lin	FW release for V5.17(ACBS.0)b1
2021/11/04	2.0	Yen-Chun, Lin	FW release for V5.17(ACBS.0)b2
2022/10/28	3.0	Yen-Chun, Lin	FW release for V5.17(ACBS.0)C0
2023/12/27	4.0	Yen-Chun, Lin	FW release for V5.17(ACBS.1)b1
2024/03/01	5.0	CHI-HAO, LO	FW release for V5.17(ACBS.1)b2
2024/03/27	6.0	CHI-HAO, LO	FW release for V5.17(ACBS.1)b3
2024/05/24	7.0	CHI-HAO, LO	FW release for V5.17(ACBS.1)b4
2024/08/09	8.0	CHI-HAO, LO	FW release for V5.17(ACBS.1)b5
2024/10/04	9.0	CHI-HAO, LO	FW release for V5.17(ACBS.1)b6

DM4200-B0 Generic V5.17(ACBS.1)b6 Release Note

Date: Oct. 4, 2024

Supported Platforms:

Zyxel DM4200-B0

Versions:

Bootbase version : V1.59 | 03/22/2024 19:03:29

Firmware version : V5.17(ACBS.1)b6

Kernel version: 4.1.52

DSL modem code version: A2pvfbK048i

DSL driver version: . d28c(A2x028c)

xdslctl --version

xdslctl version 1.2

ADSL PHY: AnnexA version - A2pvfbK048i.d28c

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-Utills	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	1.0.0	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	0.16.1	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

libpcap	1.1.1	www.tcpdump.org	BSD	Used
libtool	2.4	http://www.gnu.org/software/libtool/	GPLv2	Used
Linux/MIPS Kernel	4.1.52	http://www.linux-mips.org	GPLv2	Modified
logrotate	3.7.1	https://launchpad.net/ubuntu/hardy/i386/logrotate/	GPLv2	Modified
ncurses	5.7	http://ftp.gnu.org/pub/gnu/ncurses/	MIT	Modified
ntpclient	2007_365	http://doolittle.icarus.com/ntpclient/	GPLv2	Modified
openssl	3.1.2	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	GPLv3	Used
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
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 V5.17(ACBS.1)b6

Based on V5.17(ACBS.1)b5 to release V5.17(ACBS.1)b6

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
Security	[CVE-2024-8748] [Zyxel-SI-1576] [Vulnerability] Unauthenticated buffer overflow in VMG8825-T50
	[Vulnerability] Zyxel-SI-1536 [Vulnerability] Buffer overflow vulnerability in the "traceroute" command of DX3300-T1 CPE
	[CVE-2024-5412][Zyxel-SI-1557][Vulnerability] Unauthenticated heap buffer overflow in the libclinkc library.
	[eITS#240600626] [Mantis-7311] Vulnerability - Zyxel SI-1559

Modifications in V5.17(ACBS.1)b5

Based on V5.17(ACBS.1)b4 to release V5.17(ACBS.1)b5

● Feature Enhancement

Modified Modules	Features Enhancement List
GUI	[eITS#240701931]Remove Quick Start Wizard from DM4200-B0

● Bug Fixed

Modified Modules	Bug Fixed List

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Modifications in V5.17(ACBS.1)b4

Based on V5.17(ACBS.1)b3 to release V5.17(ACBS.1)b4

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.17(ACBS.1)b3

Based on V5.17(ACBS.1)b2 to release V5.17(ACBS.1)b3

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List

Modifications in V5.17(ACBS.1)b2

Based on V5.17(ACBS.1)b1 to release V5.17(ACBS.1)b2

● Feature Enhancement

Modified Modules	Features Enhancement List

● Bug Fixed

Modified Modules	Bug Fixed List
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Modules	
GUI	[eITS#240100823][A1] Privilege can't be change

Modifications in V5.17(ACBS.1)b1

Based on V5.17(ACBS.0)C0 to release V5.17(ACBS.1)b1

● Feature Enhancement

Modified Modules	Features Enhancement List
WAN	1. [eITS#231000511] WAN interface with VLAN 33 used for TR069 MGMT and bridge for TR069 MGMT for the CPE.
Security	1. [Vulnerability] Infinite loop in BN_mod_sqrt() of OpenSSL when parsing certificates

● Bug Fixed

Modified Modules	Bug Fixed List
Security	<ol style="list-style-type: none"> 1. [Vulnerability][Generic] cleartext storage of sensitive information vulnerability 2. Zyxel-SI-1433 [CVE-2022-43389,43390,43391,43392] [Vulnerability] Buffer overflow vulnerabilities and command injection vulnerability 3. [eITS#230500907] Possible security flaw that allows to retrieve root password 4. [Vulnerability] Zyxel-SI-1506 [Vulnerability] Post-authentication buffer overflow in VMG3625-T50B 5. [CVE-2022-4203,4304,4450][CVE-2023-0215~0217,0286,0401][Zyxel-SI-1464] [Vulnerability] OpenSSL multiple vulnerabilities

Modifications in V5.17(ACBS.0)C0

Based on V5.17(ACBS.0)b2 to release V5.17(ACBS.0)C0

Modifications in V5.17(ACBS.0)b2

1. Firmware release, the FW based on V5.17(ACBS.0)b1

● **Feature Enhancement**

Modified Modules	Features Enhancement List
VDSL PHY	1. [VDSL PHY]BROADCOM suggested that update PHY code version to A2pvfbK047h.

● **Bug Fixed**

Modified Modules	Bug Fixed List
TR-143	1. [TR-069] TR- 143 download/Upload diagnostic Complete not send 8 DIAGNOSTICS COMPLETE to ACS 2. [TR-143]Upload diagnostic (HTTP), check the file is uploaded to file server, the file server has five files.
QoS	1. [QoS] Add New Queue occur call trace and reboot

Modifications in V5.17(ACBS.0)b1

The first version for DM4200-B0

● **Feature Enhancement**

Modified Modules	Features Enhancement List

● **Bug Fixed**

Modified Modules	Bug Fixed List