

BIOS Release Notes

TITLE

SUBJECT: MV63-HD0 BIOS Release Notes version [F18](#)

System: [MV63-HD0-000,H263-V60-AAW1-000](#)

About This Release

Build Date: [2024/11/06](#)

BIOS Checksum: [0x76CA902C](#) (32M)

Release Owner: Yuan.Chen

BIOS Components/Contents

Processor stepping(s) supported: NVIDIA Grace

System hardware configurations supported: MV63-HD0

PCB Version: 1.x

NVIDIA Firmware version: 02.02.04

ERoT version: 01.03.0136

FPGA version: FPGA_falcon_0v8C

OPROM version :

OPROM	Version
AST2600	1.13.04

Installation Notes

IMPORTANT NOTES:

- Please extract the MV63-HD0_F18.zip file to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE FOR Easy BIOS Refresh:

1. The system supports remotely update BIOS if BMC existent.
2. Please download the Easy BIOS Refresh User Guide from Gigabyte website, target system support page.
3. Note: Please use fwpkg image to update (instead of RBU).

BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press during POST
2. The bios version shows on the first main page

BIOS UPDATE INSTRUCTIONS FOR Web UI:

1. Connect BMC_IP by Internet browser.
2. Click Web-UI sub-page button "Firmware Update".
3. Select File Path to *.fwpkg.
4. Click "Start firmware update".

BIOS UPDATE INSTRUCTIONS FOR GbtUtility:

1. Please copy the BIOS_ZIP file to GbtUtility folder.
2. Use Command Shell.

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3. cd to GbtUtility folder.
4. Execute "java -jar GbtUtility.jar -H BMC_IP hpmupdate bios BIOS_ZIP 1".

Known Issues/Workarounds

1. Some TPM in OS sometimes call trace.

Issues fixed in this version

F18 (2024/11/06)

1. Remove Mellanox CX7 duplicate MAC in boot option.
2. Add SMBIOS Type39 PSU detected.
3. Modify Redfish BiosAttribute item.

F18e (2024/10/14)

1. [Bug Fix] Fix Mellanox CX7 duplicate MAC in boot option.
2. [Bug Fix] Fix SMBIOS Type39 PSU detected issue.
3. [Bug Fix] Modify Redfish BiosAttribute item.

F18d (2024/09/28)

1. [Feature] Support Intel 200 series NIC UEFI Rom.
2. [Bug Fix] Remove Setup Platform SKUID information.

F18c (2024/09/23)

1. [Bug Fix] Modify SMBIOS Type4 second CPU speed information.

F18b (2024/09/13)

1. [Bug Fix] Fixed the SMBIOS Type4 CPU Family identification issue.
2. [Bug Fix] Fixed the display error for the second CPU speed in the Setup menu.

F18a (2024/09/09)

1. [Feature] Update NVIDIA Firmware 02.02.04

F15 (2024/08/16)

1. [Bug Fix] Fix some SMBIOS fail items.

F15b (2024/08/12)

1. [Feature] Adjust Aspeed PCIE RC setting.

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F15a (2024/08/09)

1. [Feature] Update NVIDIA Firmware 02.02.02

F13 (2024/08/06)

1. [Feature] Update NVIDIA Firmware 02.00.06
2. [Feature] Modify Network Stack IPv6 HTTP Options to Enabled.
3. [Feature] Update CVE Patch OpenSSL for CVE-2023-3446, CVE-2023-5363.
4. [Feature] Support SMBIOS Type2 MB Version 3.0+.
5. [Feature] Support SMBIOS Type4 Max Speed Info.
6. [Feature] Support Setup CPLD Information item.
7. [Feature] Fine tune Serial port console log.
8. [Bug Fix] Fix the Security PKfail issue.
9. [Bug Fix] Fix BIOS UEFI flash script update fail issue.

F13c (2024/08/01)

1. [Feature] Support Setup CPLD Information item.
2. [Feature] Fine tune Serial port console log.
3. [Bug Fix] Fix the Security PKfail issue.

F13b (2024/07/26)

1. [Bug Fix] Fix BIOS item Grace configuration does not load default after flashing bios.
2. [Bug Fix] Fix BIOS UEFI flash script update fail issue.
3. [Feature] Support SMBIOS type4 Max Speed Info.

F13a (2024/07/19)

1. [Feature] Update NVIDIA Firmware 02.00.06
2. [Feature] Support SMBIOS Type2 MB Version 3.0+.
3. [Feature] Update CVE Patch OpenSSL for CVE-2023-3446, CVE-2023-5363.
4. [Feature] Modify Network Stack IPv6 HTTP Options to Enabled.

F11 (2024/07/02)

1. [Feature] Support NVIDIA CPU Fru smbios information.

F10 (2024/06/07)

1. Update NVIDIA Firmware 02.00.03
2. Adjust USB setting for GBT BMC.
3. Update UEFI Gop driver version 1.13.04.
4. Support GCT BIOS LogoFail CVE function check.
5. Separate IPv6 gateway and router address in BIOS setup.

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F10c (2024/06/07)

1. Update UEFI Gop driver version 1.13.04.
2. Support GCT BIOS LogoFail CVE function check.
3. Separate IPv6 gateway and router address in BIOS setup.

F10b (2024/05/30)

1. Fix SMBIOS type 3 Contained Element Record Length (m) incorrect value.
2. Fix flash update BIOS capsule image error problem.

F10a (2024/05/27)

1. Update NVIDIA Firmware 02.00.03

F08b (2024/06/06)

1. Update UEFI Gop driver version 1.13.04.
2. Support GCT BIOS LogoFail CVE function check.
3. Differentiate IPv6 gateway and router address in BIOS setup.
4. Fix SMBIOS type 3 Contained Element Record Length (m) incorrect value.

F08a (2024/05/17)

1. Adjust USB setting for GBT BMC.
2. Add RBU package web zip.

F07 (2024/05/13)

1. Update CVE Patch LogoFAIL CVE-2023-39539 and CVE-2023-39538.
2. Fix F05a BIOS chipset item not load default issue.

F07b (2024/05/06)

1. Update CVE Patch LogoFAIL CVE-2023-39539 and CVE-2023-39538.
2. Fix BIOS chipset item not load default issue.

F07a (2024/04/11)

1. Update NVIDIA Firmware 01.02.04
2. Fix IPv4 Static IP fail issue.
3. CVE Patch LogoFAIL CVE-2023-39539 and CVE-2023-39538.

F05 (2024/04/03)

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1. Update NVIDIA Firmware 01.02.01
2. Enable Secure boot.
3. Fix IPv6 Static IP check fail issue.
4. Modify ASPM L1 default setting to disabled.
5. CVE patch OpenSSL for CVE-2023-2650, CVE-2023-3817, CVE-2023-5678.
6. CVE patch PixieFail IPv6 for CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, CVE-2023-45237.
7. Modify H263-V60 PCIe Slot name.

F05e (2024/04/01)

1. Enable Secure boot.
2. Fix IPv6 Static IP check fail issue.
3. Modify ASPM L1 default setting to disabled.
4. CVE patch OpenSSL for CVE-2023-2650, CVE-2023-3817, CVE-2023-5678.

F05d (2024/03/13)

1. Fix Power restore policy load default issue.

F05c (2024/03/05)

1. Fix PCIe Option ROM item failed issue.
2. Modify MVC3-MG0 M.2 NVMe order.
3. Set XV23-VC0 Power restore policy default power off.
4. Modify H263-V60 PCIe Slot name.

F05b (2024/03/05)

1. Modify ACPI OEM ID to NVIDIA.
2. Add more memory space for SMBIOS Type 45 of BMC FW info.
3. Set more info in SMBIOS Type 45 of TPM FW.

F05a (2024/02/23)

1. Update NVIDIA Firmware 01.02.01
2. Support MVC3-MG0 PCIe table.
3. Support Bad Date Time Error message on POST report.
4. CVE patch PixieFail IPv6 for CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, CVE-2023-45237.

F04e (2024/01/30)

1. Fix some SKU not build SMBIOS Type9 problem.

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2. Support Endless Retry PXE feature.
3. Modify MVC3-MG0 Uphy setting.

F04d (2024/01/26)

1. Support MVG3-MG0 Setup PCIe OPR0M switch item.
2. Support MGX Clear CMOS by removing battery or shorting jumper.
3. Enable http Url connections for http boot.

F04c (2024/01/23)

1. Modify CG1 Uphy3 Disable DPC at RP default to enabled.
2. Support MVG3-MG0 NVME sequence and SMBIOS Type 9.

F04b (2024/01/19)

1. Fix show failed message when flash the identical version BIOS under LINUX issue.
2. Fix BIOS setup BMC FW and BMC IP show N/A.
3. Fix POST not show IPMI FW version and IP address.

F04a (2024/01/18)

1. Update NVIDIA Firmware 01.01.04
2. Modify SMBIOS Type0 BIOS Characteristic.
3. Disable IPMI Power Save command.
4. Adjust CG1 NVME Port table pcie number to follow new PLX FW define.

F03b (2024/01/12)

1. Support AX88179 UEFI rom.
2. Support Mellanox CX3 Lan MAC feature.
3. Modify MV63-HD0 BIOS setup NVMe order.

F03a (2024/01/08)

- 1.Fixed some SKU not build SMBIOS Type9 problem
- 2.Support H/W Clear CMOS by removing CMOS Battery

F02 (2024/01/02)

1. Fix update BIOS FW under OS progress persentage incorrect issue when disable Logo.
 2. Fix MV13-HD0 Onboard Lan option rom U.2 loss problem.
 3. Adjust MV63-HD0 BIOS setup NVME order.
 4. Fix SMBIOS Type129 NVMe information incorrect issue.
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F02d (2023/12/27)

1. Fix WebUI DIMM Inventory info abnormal issue.
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F01 (2023/12/22)

1. PVT First release.
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