

BIOS Release Notes

TITLE

SUBJECT: MW53-HP0(GPU) BIOS Release Notes version [R09](#)

System: [W753-W50-AA01-000](#)

About This Release

Build Date: [2025/04/08](#)

BIOS Checksum: [0xBE53CB55](#) (16M), [0x9AB92AFC](#) (64M)

Release Owner: ant.wei

BIOS Components/Contents

Processor stepping(s) supported: IntelR Sapphire Rapids-WS/IntelR Sapphire Rapids-Refresh

System hardware configurations supported: MW53-HP0(GPU)

Microcode updates versions:

CPUID	Family	Microcode Update ID
806f8	Sapphire Rapids/Sapphire Rapids Refresh E*/S*	2b000639

IPMI support:

AMI Kernel version: [Gbt_Kernel_037_01](#)

Intel CSI/MRC Package version: [0060.D53](#)

SPI Descriptor version: [16.11.20.1870v2](#)

OPROM version :

OPROM	Version
INTEL 10G PXE	2.3.24
AST2600 VGA	1.12.00
INTEL RAID PACKAGE	RSTe 8.6.0.1136

Installation Notes

IMPORTANT NOTES:

1. Please extract the MW53-HP0(GPU)_[R09](#).zip to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

1. Insert USB flash drive to system for BIOS upgrade.
2. Power on system and boot to Build-In Shell.
3. Enter your USB filesystem, like "fs0:" or "fsx:", "x" is your USB filesystem number
4. Execute F.nsh for bios update
5. After bios flash finish, system must Power-Off to have the changes take effect.

BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell.

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3. Enter \Tool\Win32 and execute f.bat for Windows 32bit.
Or
Enter \Tool\Win64 and execute f.bat for Windows 64bit.
4. After bios flash finish, system must Power-Off to have the changes take effect.

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.

BIOS Version CHECK INSTRUCTIONS:

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

Known Issues/Workarounds

Issues fixed in this version

R09

1. [Feature] Update RC 0060.D53 (Rev:3 2025.2 IPU Update Guidance (XLS) Reference Number: (KIT: 837181))
2. [Feature] Update Microcode E*/S*: m_87_806f8_2b000639.pdb
3. [Bug Fix] Include INTEL-SA-01244 for CVE-2025-20054
4. [Bug Fix] Include INTEL-SA-01247 for CVE-2024-45332
5. [Bug Fix] Include INTEL-SA-01249 for CVE-2025-20109
6. [Bug Fix] Include AMI SA50292 for CVE-2023-6237, CVE-2024-5535, CVE-2024-6119
7. [Bug Fix] Include AMI SA50288 for CVE-2023-52353, CVE-2024-9143
8. [Bug Fix] Include AMI SA50290 for CVE-2024-38796

R08

1. [Feature] Improve KCS protocol
2. [Feature] Support Microsoft Option ROM UEFI CA 2023.
3. [Feature] Fine tune Setup Menu.

R07

1. [Feature] Update RC 0059.D28 (Fishhawk Falls SPR-R Maintenance Release6 BKC WW40'24 (KIT: 830802))
2. [Feature] Update CSME Firmware : 16.11.20.1870v2 (B1 Corporate)
3. [Feature] Update Microcode E*/S*: m_87_806f8_2b000620.pdb

R06

1. [Feature] Update RC 0058.D81 (Fishhawk Falls SPR-R Maintenance Release5 BKC WW30'24 (KIT: 828362))
2. [Feature] Update Microcode E*/S*: m_87_806f8_2b000603.pdb

R05

1. [Feature] Update RC 0058.D54 (Fishhawk Falls SPR-R Maintenance Release4 BKC WW28'24 (KIT: 825720))

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2. [Feature] Update CSME Firmware : 16.11.17.1871 (B1 Corporate)
 3. [Feature] Update Microcode E*/S*: m_87_806f8_2b0005d2.pdb
 4. [Feature] Update VROC UEFI 8.6.0.1136
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R04

1. [Feature] Update RC 0055.D09 (Fishhawk Falls SPR-R BKC WW05'24 (KIT: 814803)).
 2. [Feature] Update Microcode E*/S*: m_87_806f8_2b000590.pdb.
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R03

1. [Feature] Win11 x64 23H2 Support
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R02

1. [Feature] Update RC 0054.D12 (Fishhawk Falls SPR-R BKC WW50'23 (KIT: 794891)).
 2. [Feature] Update Microcode E*/S*: m_87_806f8_2b000580.pdb.
 3. [Feature] Update RSTe VROC driver to v8.5.0.1096.
 4. [Feature] Add AMI SA50216 solution for CVE-2023-39539 and CVE-2023-39538.
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R01

1. [Feature] Update RC 0053.D07 (Fishhawk Falls SPR-R BKC WW44'23 (KIT: 791719)).
 2. [Feature] Update Microcode E*/S*: m_87_806f8_2b000571.pdb.
 3. [Feature] Update CSME Firmware : 16.11.15.1736 (B1 Corporate).
 4. [Feature] Update VROC driver to v8.2.0.1132.
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T02

1. [Feature] Support Resizable BAR
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T01

1. [Feature] Update RC 5172.D06 (Fishhawk Falls SPR-R BETA BKC WW36'23 (KIT: 787201)).
 2. [Feature] Update CSME Firmware : 16.11.15.1698 (B1 Corporate)
 3. [Feature] Update Microcode E*/S*: m_87_806f8_2b0004d0.pdb
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