

BIOS Release Notes

TITLE

SUBJECT: MW53-HP0(GPU) BIOS Release Notes version [R08](#)

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

About This Release

Build Date: [2025/02/21](#)

BIOS Checksum: [0xBE648606](#) (16M), [0x9AC9DFD2](#) (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*	2b000620

IPMI support:

AMI Kernel version: [Gbt_Kernel_036_16](#)

Intel CSI/MRC Package version: [0059.D28](#)

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:

BIOS Release Notes

1. Please extract the MW53-HP0(GPU)_[R08](#).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.
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

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))

BIOS Release Notes

2. [Feature] Update CSME Firmware : 16.11.20.1870v2 (B1 Corporate)
 3. [Feature] Update Microcode E*/S*: m_87_806f8_2b000620.pdb
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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
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R05

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

BIOS Release Notes

3. [Feature] Update Microcode E*/S*: m_87_806f8_2b0004d0.pdb
