

BIOS Release Notes

TITLE

SUBJECT: MW53-HP0 BIOS Release Notes version [F13](#)
System: [MW53-HP0-000](#)

About This Release

Build Date: [2024/04/08](#)
BIOS Checksum: [0xBF85495E](#) (16M), [0x9BEDEB32](#) (64M)
Release Owner: ant.wei

BIOS Components/Contents

Processor stepping(s) supported: IntelR Sapphire Rapids-SP
System hardware configurations supported: MW53-HP0
Microcode updates versions:

CPUID	Family	Microcode Update ID
806f8	Sapphire Rapids E*/S*	2b0005c0

IPMI support:
OPROM version :

OPROM	Version
INTEL 10G PXE	2.3.24
AST2600 VGA	1.12.00
INTEL RAID PACKAGE	RSTe 8.5.0.1096

Installation Notes

IMPORTANT NOTES:

1. Please extract the MW53-HP0_ [F13](#).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.

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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

F13

1. [Feature] Update Microcode E*/S*: m_87_806f8_2b0005c0.pdb.
2. [Feature] Add AMI SA50232 solution for CVE-2023-45236, CVE-2023-45237.
3. [Feature] Add AMI SA50229 solution for CVE-2023-3817, CVE-2023-2650.
4. [Feature] Add AMI SA50236 solution for CVE-2023-5678.
5. [Feature] Add AMI SA50216 solution for CVE-2023-39539 and CVE-2023-39538.

F12

1. [Feature] Add Setup Menu item "CXL Type 3 Legacy"

F11

1. [Feature] Support Resizable BAR

F10

1. [Feature] Update RC 5132.D07 (Fishhawk Falls BKC WW32'23 (KIT: 785850)).
2. [Feature] Update Microcode E*/S*: m_87_806f8_2b0004d0.pdb
3. [Feature] Update CSME Firmware : 16.10.5.1625v13 (B1 Corporate)

F09

1. [Feature] Update RC 4891.D11 (Fishhawk Falls BKC WW22'23 (KIT: 780840)).
2. [Feature] Update Microcode E*/S*: m_87_806f8_2b0004b1.pdb
3. [Feature] Update CSME Firmware : 16.10.5.1625v9 (B1 Corporate)

F08

1. [Feature] Update for security AMI SA50170: CVE-2021-38578

F07

1. [Bug Fix] Fixed PTT disappears after clearing CMOS.
2. [Bug Fix] Modify Setup Menu "TPM Device Selection" item behavior.

F06

1. [Bug Fix] Fix the bug about remote BIOS item on WEBUI.

F05

1. [Feature] Implement PCIE PHISON redriver

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2. [Bug Fix] Fixed Slot bifurcation switch wrong problem.

F04

1. [Feature] Enable Intel VROC function for NVMe.

F03

1. [Bug Fix] Workaround for INTEL I226 LAN cable hot plug problem.

F02

1. [Feature] Update RC 45.D31 (Fishhawk Falls BKC 2022 WW45 22 (KIT: 751967)).
2. [Feature] Update Microcode : E0: m_87_806f4_0e000271.pdb, E3: m_87_806f6_090000c0.pdb, E*/S*: m_87_806f8_2b0000c0.pdb
3. [Feature] Update CSME Firmware : 16.10.5.1520v2 (B1 Corporate)
4. [Feature] Remove Intel VROC function for NVMe.

F01

1. [Feature] PVT BIOS

D07

1. [Feature] Update RC 45.D11 (Fishhawk Falls BKC 2022 WW42 22 (KIT: 749878)).
2. [Feature] Update Microcode : E0: m_87_806f4_0e000271.pdb, E3: m_87_806f6_090000c0.pdb, E*: m_87_806f8_2b0000a1.pdb
3. [Feature] Update CSME Firmware : 16.10.5.1475 (B1 Corporate)
4. [Feature] Update VROC UEFI : 8.0.0.1382
5. [Bug Fix] Fixed the Processor of Platform Information show unknown in BIOS Main page.
6. [Bug Fix] Fixed Disable PCIE device option ROM fail problem.

D06

1. [Bug Fix] Fixed reboot long run hang problem.
2. [Bug Fix] Fixed USB Type-C hotplug hang issue.

D05

1. [Feature] Update RC 44.D41 (Fishhawk Falls BKC 2022 WW37 22 (KIT: 742378)).
2. [Feature] Update Microcode : D0: m_87_806f3_0d0004b1.pdb, E0: m_87_806f4_0e000271.pdb, E2: m_87_806f5_0f000311.pdb, E*: m_87_806f8_2b000070.pdb, S2: m_87_806f7_2a0000a0.pdb
3. [Feature] Update CSME Firmware : 16.10.0.1422v2 (B1 Corporate)
4. [Feature] Update BIOS ACM : v1.0.E
5. [Feature] Update SINIT_ACM : v1.0.E
6. [Feature] Update VROC UEFI : 8.0.0.1366

D04

1. [Bug Fix] Support Cnvi device
2. [Bug Fix] Support 64L-S2 EVQS CPU

D03

1. [Bug Fix] Fix onboard LAN disappearing issue.
2. [Bug Fix] Fix M.2 slot can not used issue.

D02

1. [Feature] Update RC 42.D79 (Fishhawk Falls BKC 2022 WW29 22 (KIT: 737421)).

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2. [Feature] Update Microcode : E0: m_87_806f4_0e000271.pdb, E2: m_87_806f5_0f000311.pdb, D0: m_87_806f3_0d0004b1.pdb
3. [Feature] Update CSME Firmware : 16.10.0.1400v2 (B1 Corporate)
4. [Feature] Update BIOS ACM : v1.0.8
5. [Feature] Update SINIT_ACM : v1.0.8
6. [Feature] Update VROC UEFI : 8.0.0.1319

D01

1. [Feature] DVT BIOS
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