

# BIOS Release Notes

## TITLE

**SUBJECT:** MW83-RP0 BIOS Release Notes version [F12](#)  
**System:** [MW83-RP0-000](#)

### About This Release

**Build Date:** [2024/04/08](#)  
**BIOS Checksum:** [0xBF73D5F4](#) (16M), [0x9BDC97E0](#) (64M)  
**Release Owner:** ant.wei

### BIOS Components/Contents

**Processor stepping(s) supported:** IntelR Sapphire Rapids-SP  
**System hardware configurations supported:** MW83-RP0  
**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 MW83-RP0\_ [F12](#).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 <DEL> during POST
2. The bios version shows on the first main page

## Known Issues/Workarounds

## Issues fixed in this version

### F12

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.

### F11

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

### F10

1. [Feature] Support Resizable BAR

### F09

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)

### F08

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)
4. [Bug Fix] Resolve front panel USB port compatibility issues.

### F07

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

### F06

1. [Bug Fix] Modify Setup Menu "TPM Device Selection" item behavior
2. [Bug Fix] Fixed PTT disappears after clearing CMOS.
3. [Feature] Support system W773-W80-000 & W773-WL0-000

### F05

1. [Feature] Update RC 46.D59 PR1\_B (Fishhawk Falls BKC 2023 WW01 23 (KIT: 765129)).

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2. [Feature] Update Microcode E0: m\_87\_806f4\_0e000271.pdb, E3: m\_87\_806f6\_090000c0.pdb, E\*/S\*: m\_87\_806f8\_2b000390.pdb
  3. [Feature] Update CSME Firmware : 16.10.5.1583v5 (B1 Corporate)
  4. [Feature] Update VROC UEFI : 8.0.0.4006
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### F04

1. [Bug Fix] Fix the bug about remote BIOS item on WEBUI.
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### F03

1. [Feature] Enable Intel VROC function for NVMe.
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### 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.
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### F01

1. [Feature] PVT BIOS
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### D06

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.
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### D05

1. [Bug Fix] Fixed reboot long run hang problem.
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### D04

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
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### D03

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

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### D02

1. [Bug Fix] Fixed Mantis[0054791] When Onborad LAN Option ROM is disabled, the MAC address is incorrect in the BIOS setup menu.
2. [Bug Fix] Fixed Mantis[0054800]The NIC Inventory can not detect the PCIE LAN card information in WebUI.
3. [Bug Fix] Fixed Mantis[0054815] Can not get Fatal Error event log when trigger PCIe FATAL error.

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### D01

1. [Feature] Update RC 40.D71 (Fishhawk Falls BKC 2022 WW13)
2. [Feature] Update Microcode : D0: m\_87\_806f3\_0d000361, E0: m\_87\_806f4\_0e000190.
3. [Feature] Update CSME Firmware : 16.10.0.1335 (B1 Corporate)
4. [Feature] Update BIOS ACM v1.0.0
5. [Feature] Update SINIT\_ACM v1.0.0
6. [Feature] Update S3M Firmware S3M\_0x18
7. [Feature] Update SPHY B1 3.0.1.7081\_PV
8. [Feature] Update PMCP 161.02.00.1039
9. [Bug Fix] Fixed Mantis[0052572] The BIOS Recovery function is failed.

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### E06

1. [Bug Fix] Fixed mantis[0052663] The BIOS do not have "Intel Virtual RAID on CPU item", when VMD set to enable.
2. [Bug Fix] Fixed Mantis[52609] The SSID/SVID Check is failed
3. [Feature] Enable Intel PTT

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### E05

1. [Feature] Update RC 40.D09 (Fishhawk Falls BKC 2022 WW08)
2. [Feature] Update Microcode : m\_87\_806f3\_8d000430
3. [Feature] Update CSME Firmware : 16.10.0.1291v3 (B1 Corporate)
4. [Feature] Update VROC UEFI 8.0.0.1168
5. [Bug Fix] Fixed Mantis[0052618] The F3 hotkey does not match in BIOS setup
6. [Bug Fix] Fixed Setup Menu display wrong "RC Revision" problem

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### E04

1. [Bug Fix] Fixed Mantis[0052503] After the system reboot, the Line-Out will not work.
2. [Bug Fix] Fixed NMI button can not work problem.
3. [Bug Fix] Fixed SMBIOS data does not follow specification problem.

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### E03

1. [Bug Fix] Adjust the Setup menu information
2. [Bug Fix] Fixed post text screen work abnormal problem.

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### E02

1. [Bug Fix] Fixed SMBIOS Type 16 information wrong problem
2. [Bug Fix] Fixed PCH pcie clock problem
3. [Feature] Add Bios knob item for SQA debug

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### E01

1. [Feature] First BIOS
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## **BIOS Release Notes**