BIOS Release Notes

TITLE

SUBJECT:	MSF4-GP0 BIOS Release Notes version F35
System:	MSF4-GP0-000, R184-SF1-AAJ1-000, R284-SF0-AAL1-000, R284-SF1-AAL1-GB0, R184-SF0-AAJ1-GB0, R284-SF0-IAL1-000

About This Release

Build Date: **2026/09/02**
BIOS Checksum: **0xAFB51268 (flashabl.rom), 0x4E1211D2 (image.bin), 0x4DE3F548 (PFR1.bin), 0x4DCA1B06 (PFR2.bin), 0x97A77686 (PFRcap.bin)**
Release Owner: **deann.wu**

BIOS Components/Contents

Processor stepping(s) supported: IntelR Granite Rapids-SP, Sierra Forest-SP processor
System hardware configurations supported: MSF4-GP0
Microcode updates versions:

CPUID	Family	Microcode Update ID
a06d0	Processor GNR A0	10000680
a06d1	Processor GNR B0	01000444
a06d1	Processor GNR R1S B0	0a000164
a06f3	Processor SRF C0	030003c4

IPMI support:
AMI Kernel version: **Gbt_Kernel_110_10**
Intel CSI/MRC Package version: **3545.P53**
OPROM version:

OPROM	Version
AST2600 VGA	1.13.05
INTEL RAID PACKAGE	RSTe 9.0.0.1096

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Installation Notes

IMPORTANT NOTES:

1. Please extract the MSF4-GP0_F35.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 <DEL> during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

F35

1. [Feature] Update RC 3545.P53 (2026 BKC WW31)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_1000068

GNR B0 MCU : m_95_a06d1_01000444

GNR R1S B0 MCU : m_20_a06d1_0a000164
SRF C0 MCU : m_01_a06f3_030003c4
3. [Bug Fix] Include AMI SA50352 for CVE-2026-31789, CVE-2026-31790, CVE-2026-28387, CVE-2026-28388, CVE-2026-34874, CVE-2026-25835, CVE-2026-34876, CVE-2026-25834, CVE-2026-25833
4. [Bug Fix] Include AMI SA50347 for CVE-2026-33198
5. [Feature] Update Mapping table : R19

F34

1. [Feature] Update RC 3545.P22 (2026 BKC WW21)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_1000068
GNR B0 MCU : m_95_a06d1_01000434
GNR R1S B0 MCU : m_20_a06d1_0a000151
SRF C0 MCU : m_01_a06f3_030003b2

3. [Bug Fix] Include AMI SA50336 for CVE-2025-58771, CVE-2025-58772, CVE-2025-58773, CVE-2025-58774
4. [Bug Fix] Include AMI SA50344 for CVE-2026-20716
5. [Bug Fix] Include AMI SA50348 for CVE-2026-33197
6. [Bug Fix] Include INTEL-SA-01442 for CVE-2026-20713
7. [Bug Fix] Include INTEL-SA-01437 for CVE-2026-20712
8. [Bug Fix] Include INTEL-SA-01439 for CVE-2026-20898
9. [Bug Fix] Include INTEL-SA-01436 for CVE-2026-20775, CVE-2026-20885, CVE-2026-20705

F33

1. [Feature] Set default value of "Maximum 2DPC Frequency" from 5200 to 6000.
2. [Feature] Fine tune remote setup menu setting.

F32

1. [Feature] Update RC 3545.P22 (2026 BKC WW11)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_10000680
GNR B0 MCU : m_95_a06d1_01000423
GNR R1S B0 MCU : m_20_a06d1_0a000142
SRF C0 MCU : m_01_a06f3_030003a3

3. [Feature] Support Memory 2DPC frequency 6000.
4. [Bug Fix] Include AMI SA50338 solution for CVE-2025-35973.
5. [Bug Fix] Include AMI SA50342 solution for CVE-2025-15467, CVE-2025-68160, CVE-2025-69418, CVE-2025-69419, CVE-2025-69421, CVE-2026-22795, CVE-2026-22796, CVE-2026-11187

6. [Bug Fix] Include AMI SA50328 solution for CVE-2025-9613, CVE-2025-9614, CVE-2025-9612.
7. [Bug Fix] Include AMI SA50337 solution for CVE-2026-0893.
8. [Bug Fix] Include INTEL-SA-01419 for CVE-2025-31356

F31

1. [Feature] Support Memory "Team Group".
2. [Feature] Support "Clear CMOS IPMI command".

F30

1. [Feature] Update RC 3545.P03 (2025 BKC WW47)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_10000680
GNR B0 MCU : m_95_a06d1_01000405
GNR R1S B0 MCU : m_20_a06d1_0a000133
SRF C0 MCU : m_01_a06f3_03000393

3. [Bug Fix] Include INTEL-SA-01397 solution for CVE-2025-30513, CVE-2025-32007, CVE-2025-32467, CVE-2025-27572, CVE-2025-27940, CVE-2025-31944
4. [Bug Fix] Include INTEL-SA-01396 solution for CVE-2025-31648
5. [Bug Fix] Include AMI SA50321 solution for CVE-2025-31938

F29

1. [Feature] Support Data link feature exchange (DLFE) setup item for each slot.

F28

1. [Feature] Update RC 3544.P80 (2025 BKC WW38 UPLR1.5)
2. [Feature] Update microcode:

GNR B0 MCU : m_95_a06d1_010003f3
GNR R1S B0 MCU : m_20_a06d1_0a000124
SRF C0 MCU : m_01_a06f3_03000382

3. [Feature] Include INTEL-SA-01314 solution for CVE-2025-22885
4. [Feature] Include AMI SA50318 solution for CVE-2025-30185, CVE-2025-31936

F27

1. [Bug Fix] Include AMI SA50315 solution for CVE-2025-3052.

F26

1. [Bug Fix] Fix the bug about incorrect remote setup item.
2. [Feature] Support setup item PXE boot enable/disable for slot.

F25
1. [Feature] Update RC 3544.P60 (BKC 2025 WW20)
2. [Feature] Update microcode:
GNR B0 MCU : m_95_a06d1_010003c2
GNR R1S B0 MCU : m_20_a06d1_0a0000f2
SRF C0 MCU : m_01_a06f3_03000362
3. [Bug Fix] Include AMI SA50313 solution for CVE-2025-26403, CVE-2025-32086
4. [Bug Fix] Include INTEL-SA-01313 solution for CVE-2025-21090, CVE-2025-20053
5. [Bug Fix] Include INTEL-SA-01234 solution for CVE-2025-20027, CVE-2025-20028, CVE-2025-22444, CVE-2025-22850
6. [Bug Fix] Include INTEL-SA-01312 solution for CVE-2025-22853, CVE-2025-21096, CVE-2025-20613

F24
1. [Bug Fix] Fix the bug about some remote BIOS setup item disappear.

F23
1. [Bug Fix] Fix BIOS recovery fail issue.
2. [Bug Fix] Fix the bug about linux command "numactl -H" will show node distance as 0xFF

F22
1. [Feature] Update RC 3544.P48 (BKC 2025 WW14)
2. [Feature] Update microcode:
GNR B0 MCU : m_95_a06d1_010003A3
GNR R1S B0 MCU : m_20_a06d1_0a0000d1
SRF C0 MCU : m_01_a06f3_03000341
3. [Bug Fix] Include AMI SA50306 solution for CVE-2024-13176

F21
1. [Feature] Support Microsoft Option ROM UEFI CA 2023 for Secure Boot
2. [Feature] Support GBTGSI feature.

F20
1. [Feature] Update RC 3544.P29 (BKC 2025 WW03)
2. [Feature] Update microcode:
GNR A0 MCU : m_95_a06d0_10000680
GNR B0 MCU : m_95_a06d1_01000380
GNR R1S B0 MCU : m_20_a06d1_0a0000c0
SRF C0 MCU : m_01_a06f3_03000330

F19
1. [Bug Fix] Fix the bug about Slot I/O rom fail.
2. [Feature] Improve KCS protocol.

F18
1. [Feature] Update RC 3544.P22 (BKC 2024 WW48)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_10000680
GNR B0 MCU : m_95_a06d1_01000360
GNR R1S B0 MCU : m_20_a06d1_0a000080
SRF C0 MCU : m_01_a06f3_03000270

3. [Feature] Update VR solution : A5

F17
1. [Bug Fix] Fix the bug about device resource related function.
2. [Feature] Update AST2600 driver : 1.13.05

F16
1. [Feature] Update RC 3544P.08 (BKC 2024 WW43)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_10000680
GNR B0 MCU : m_95_a06d1_01000311
GNR R1S B0 MCU : m_20_a06d1_1a000080
SRF C0 MCU : m_01_a06f3_03000270

3. [Feature] Update Mapping table : R16

F15
1. [Feature] Add intel patch for preventing boot failed with Samsung's specific dimms.
2. [Bug Fix] Fix the bug about system will hang code after changing slot lanes.
3. [Feature] Update Mapping table : R14

F14
1. [Feature] Support GNR R1S B0 stepping CPU

F13
1. [Feature] Update RC 34.D65 (BKC 2024 WW33)
2. [Feature] Update microcode:

GNR A0 MCU : m_95_a06d0_80000670
GNR B0 MCU : m_95_a06d1_810002e0
SRF C0 MCU : m_01_a06f3_03000211

3. [Feature] VROC driver : 9.0.0.1096
4. [Bug Fix] Fix the bug about incorrect ECC CE/UCE sel information.

F12

1. [Feature] Update SRF PROD/QS microcode : m_01_a06f3_03000211

F11

1. [Feature] Update Mapping table V13.

F10

1. [Bug Fix] Fix the bug about PCIe device out of resource.
2. [Feature] Update system mapping table V12.

F09

1. [Feature] Support SRF PRQ C0 stepping CPU.

F08

1. [Bug Fix] Fix the BUG about incorrect SVID.
2. [Feature] Update mapping table version : R11.

F07

1. [Feature] Support dual BIOS check command.
2. [Bug Fix] Fix the bug about remote setup error.
3. [Bug Fix] Fix the ECC/PERR/SERR incorrect format.

F06

1. [Bug Fix] Fix the item "ACPI C1 Enumeration" not post to remote setup.

F05

1. [Feature] Update VR version : A4.

F04

1. [Feature] Update RC 3218.D03 (BKC 2024 WW21).
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_80000640
SRF C0 MCU : m_01_a06f3_13000132

3. [Feature] VROC driver : 9.0.0.1096
4. [Bug Fix] Fix the bug about BIOS recovery feature.
5. [Bug Fix] Fix the bug about incorrect remote setup menu information.

F03

1. [Feature] Update Present pin setting

F02

1. [Feature] Update VR version : A3.

F01

1. [Feature] Update RC 0031.D97 (BKC 2024 WW19)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_80000640
SRF C0 MCU : m_01_a06f3_13000132

3. [Feature] VROC driver : 9.0.0.1096
4. [Bug Fix] Fix yellow device of com port.

D23

1. [Bug Fix] Fix the bug about incorrect information on remote BIOS setup menu.

D22

1. [Bug Fix] Fixed USB ports show incorrect info.

D21

1. [Feature] Update mapping table v0.9.

D20

1. [Feature] Support Power Policy setup item.

D19

1. [Feature] Fix the bug about hanging code at 0x92 during VMD enable.

D18

1. [Feature] Update RC 0031.D27 (BKC 2024 WW15)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_80000620
SRF C0 MCU : m_01_a06f3_13000132

3. [Feature] VROC driver : 9.0.0.1096

D17

1. [Bug Fix] Fixed ECC sel log error.

D16

1. [Feature] Update RC 0030.D85 (BKC 2024 WW13)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_80000611
SRF C0 MCU : m_01_a06f3_13000131

3. [Feature] VROC driver : 9.0.0.1096

D15

1. [Bug Fix] Fine tune release note information.

D14

1. [Bug Fix] Fine tune WOL default setting to "Enable".
2. [Bug Fix] Fix SMBIOS Type 16 incorrect information.
3. [Bug Fix] Support "Power Button 1s shutdown" function under OS.
4. [Bug Fix] Fix IPv6 setting bug.
5. [Bug Fix] Fix ECC information during POST.
6. [Bug Fix] Fix NVMe port number incorrect in POST Text phase with VMD enable.
7. [Bug Fix] Fix Main page "Processor" incorrect information.
8. [Bug Fix] Fix ECC Bad DIMM will disappear after UCE occur.
9. [Bug Fix] Fix SMBIOS Type 129 incorrect information.

D13

1. [Bug Fix] Fixed present pin bifurcation error.

D12

1. [Bug Fix] Because release VROC driver 9.0.0.1088 have bug, rollback VROC driver to 9.0.0.1096.

D11

1. [Feature] Support SRF QS C0 stepping CPU.

D10

1. [Feature] Update RC 0030.D54 (BKC 2024 WW11)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_80000600

3. [Feature] VROC driver : 9.0.0.1088

D09

1. [Feature] Implement USB mapping.

D08

1. [Feature] Update VR MPS version : A2.

D07

1. [Bug Fix] Fix bug for lan disabled.

D06

1. [Feature] Update RC 0030.D34 (BKC 2024 WW09)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_800005c0

3. [Feature] VROC driver : 9.0.0.1096

D05

1. [Bug Fix] Update mapping table v0.7

D04

1. [Feature] Update kernel 5.34_0ACQZ_29D87_GNRSP_SRFSP_46
2. [Feature] Update RC 0029.D87 (BKC 2024 WW07)
3. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000360
GNR A0 MCU : m_01_a06f0_800005c0

4. [Feature] VROC driver : 9.0.0.1096

D03

1. [Feature] Add GPU SKU related feature set.

D02

1. [Bug Fix] Fixed ECC memory error.
2. [Feature] Add VMD & non-hotplug VMD feature.

D01

1. [Feature] Update RC 0029.D28 (BKC 2024 WW05)
2. [Feature] Update microcode:

SRF A0 MCU : m_01_a06f0_80000351
GNR A0 MCU : m_01_a06f0_80000593

BIOS Release Notes

E03

1. [Feature] Add first MPS VR solution : A1.

E02

1. [Feature] Add first MPS VR solution : A1.

E01

1. [Feature] First release.
