

BIOS Release Notes

TITLE

SUBJECT: MSF3-GP0 BIOS Release Notes version [R04](#)
System: [MSF3-GP0-000](#), [R183-SF0-AAJ1-000](#), [R183-SF1-AAJ1-000](#), [R283-SF0-AAL1-000](#), [R283-SF1-AAL1-000](#), [R283-SF0-IAL1-000](#), [R183-SF2-IAL1-000](#)

About This Release

Build Date: [2024/03/05](#)
BIOS Checksum: [0xA78A4AF3](#) (16M), [0x8F921EB0](#) (64M)
Release Owner: jim.huang

BIOS Components/Contents

Processor stepping(s) supported: IntelR Sapphire Rapids-SP/Emerald Rapids-SP processor
System hardware configurations supported: MSF3-GP0
Microcode updates versions:

| CPUID | Family | Microcode Update ID |
|-------|--|---------------------|
| 806f3 | Sapphire Rapids Production D-0 | 0d0004b1 |
| 806f8 | Sapphire Rapids All HBM Production B | 2c000360 |
| 806f8 | Sapphire Rapids All Production XCC E / MCC S / EE LCC U | 2b000590 |
| c06f2 | Processor Emerald Rapids Production XCC A1 / MCC R1 | 21000200 |

IPMI support:
AMI Kernel version: [Gbt_Kernel_101_01](#)
Intel CSI/MRC Package version: [1752.P05](#)
SPI Descriptor version: [06.01.04.005.0](#)
OPROM version :

BIOS Release Notes

| OPROM | Version |
|-----------------------|----------------------|
| AST2600 VGA | 1.12.00 |
| INTEL RAID PACKAGE | RSTe 8.5.0.1096_2 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MSF3-GP0_[R04](#).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

R04

BIOS Release Notes

1. [Feature] Update RC 1752.P05 (EagleStream UMR1 BKC 2024 WW05).
2. [Feature] Update EMR Microcode : No update.
3. [Feature] Update SPR Microcode : SPR Production E-Stepping:m_87_806f8_2b000590.pdb;SPR HBM Production B-Stepping:m_10_806f8_2c000360.pdb;
4. [Feature] Add AMI SA50218 for below CVE :
CVE-2023-45229
CVE-2023-45230
CVE-2023-45231
CVE-2023-45232
CVE-2023-45233
CVE-2023-45234
CVE-2023-45235
5. [Feature] Add AMI SA50229 for CVE-2023-3817 and CVE-2023-2650.
6. [Feature] Add AMI SA50236 for CVE-2023-5678.

R03

1. [Bug Fix] Add new system.

R02

1. [Feature] Update RC 107.D52 (EagleStream PV BKC 2023 WW49).
2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a1000200.pdb ; EMR Production A0-Stepping:Stepping:m_87_c06f2_21000200.pdb;
3. [Feature] Add AMI SA50216 solution for CVE-2023-39539 and CVE-2023-39538.

R01

1. [Feature] Update RC 107.D20 (EagleStream BKC 2023 WW45).
2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a10001d1.pdb .pdb ; EMR Production A0-Stepping:m_87_c06f2_210001B0.pdb; SPR Production E-Stepping:m_87_806f8_2b000571.pdb;SPR HBM Production B-Stepping:m_87_806f8_2c000351.pdb;
3. [Feature] Update SPS to SPS_E5_06.01.04.005.0.
4. [Feature] Update RSTe VROC driver to v8.5.0.1096.

T08

1. [Bug Fix] Fix ES EMR CPU can't power on.

T07

1. [Feature] Update RC 105.D74 (EagleStream BKC 2023 WW41).
2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a1000190.pdb ; EMR

BIOS Release Notes

Production A0-Stepping:m_87_c06f2_21000190.pdb; SPR Production E-Stepping:m_87_806f8_2b000541.pdb;SPR HBM Production B-Stepping:m_87_806f8_2c000321.pdb;

3. [Feature] Update SPS to SPS_E5_06.01.04.003.0.
 4. [Feature] Update AST2600 vga/dp driver to 1.13.03 version.
-

T06

1. [Feature] Add some system
-

T05

1. [Feature] Base on 2023 WW37 BKC release PC version BIOS.
-

T04

1. [Feature] Update RC 105.D74 (EagleStream BKC 2023 WW37).
 2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a1000161.pdb ; EMR Production A0-Stepping:m_87_c06f2_21000161.pdb;
-

T03

1. [Feature] Update RC 105.D20 (EagleStream BKC 2023 WW33).
 2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a1000150.pdb ; EMR Production A0-Stepping:m_87_c06f2_21000140.pdb;
 3. [Feature] Update EMR SPS version to SPS_E5_06.01.03.011.0.
-

T02

1. [Feature] Update RC 103.D70 (EagleStream BKC 2023 WW27).
 2. [Feature] Update EMR Microcode : EMR A0-Stepping: m_87_c06f2_a1000100.pdb ; EMR Production A0-Stepping:m_87_c06f2_210000e0.pdb;
 3. [Feature] Update EMR SPS version to SPS_E5_06.01.02.048.0.
 4. [Feature] Update VROC driver to v8.5.0.1042.
-

T01

1. [Feature] Update RC 102.D37 (EagleStream BKC 2023 WW21).
 2. [Feature] Update EMR Microcode : EMR A0-Stepping: EMR A0-Stepping: m_87_c06f2_a10000a0.pdb ; EMR Production A0-Stepping:m_87_c06f1_21000070.pdb;
 3. [Feature] Update EMR SPS version to SPS_E5_06.01.02.009.0.
 4. [Feature] Update VROC driver to v8.5.0.1020.
-