

BIOS Release Notes

TITLE

SUBJECT: MZF3-GP0 BIOS Release Notes version F19
System: MZF3-GP0-000,R183-ZF0-AAJ1-000,R183-ZF1-AAJ1-000,
R183-ZF1-IAE1-CP0,R183-ZF2-IAL1-000,R283-ZF0-AAL1-000,
R283-ZF1-AAL1-000,R283-ZF0-IAL1-000

About This Release

Build Date: 2024/10/04
BIOS Checksum: 0xC00362A5 (32M)
Release Owner: Neil.Lu

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZF3-GP0-000
PCB Version: 1.x
Microcode updates versions:

| CPUID | Family | Microcode Update ID |
|------------|-------------------------|---------------------|
| Genoa B0 | Family 19h Model 10-1Fh | 0x0A101020 |
| Genoa B1 | Family 19h Model 10-1Fh | 0x0A101148 |
| Genoa B2 | Family 19h Model 10-1Fh | 0x0A101248 |
| Bergamo A0 | Family 19h Model 10-1Fh | 0x0AA00009 |
| Bergamo A1 | Family 19h Model 10-1Fh | 0x0AA00116 |
| Bergamo A2 | Family 19h Model 10-1Fh | 0x0AA00215 |

IPMI support:
AMI Kernel version: 5.27_GenoaCrb_0ACQT025
AGESA PI version: GenoaPI 1.0.0.C
OPROM version:

| OPROM | Version |
|---------|---------|
| AST2600 | 1.12.00 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZF3-GP0_F19.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

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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\afuwin32 and execute f.bat for Windows 32bit.
Or
Enter \Tool\afuwin64 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

F19

1. [Feature] Optimize system compatibility.

F18

1. [Feature] Support R183-ZF1-IAE1-CP0 system SKU.
2. [Feature] Update inventory v18 for R183-ZF1-IAE1-CP0

F17

1. [Security Update] PKfail issue.
2. [Feature] Optimize WebUI HDD Inventory information.
3. [Feature] Optimize CX7 WubUI Inventory information.
4. [Feature] Optimize WebUI information.
5. [Feature] Update VR version.
6. [Feature] Optimize PCIe Configuration.

F16

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.
2. Remove item "Boot mode select".
3. Remove not available Redfish items:
Secure Boot (SECB001)

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Boot mode select (FBO001)
ACPI SLIT local inter-CXL distance (Genoa128)
ACPI SLIT remote inter-CXL distance (Genoa129)
IPv6 BMC Lan Option (IPMI601)
IPv6 BMC Lan IP Address Source (IPMI602)
4. Change item "Endless Retry Boot" Redfish AttributeName from "Genoa834" to "GBT0168" .
5. Update GBT Channel Genoa AGESA 1.0.0.C.
6. Secure update: CVE-2023-31355, CVE-2024-21978, CVE-2024-21980, CVE-2023-31315

F15

1. Optimize GBT Channel Genoa Agesa 1.0.0.C.

F14

1. Update GBT Channel Genoa AGESA 1.0.0.C.
2. Secure update: CVE-2024-21965, CVE-2023-31351, CVE-2023-20582, CVE-2023-31340, CVE-2024-21978, CVE-2024-21980, CVE-2023-31355, CVE-2023-5678, CVE-2023-45236, CVE-2023-45237, CVE-2023-2650, CVE-2023-3817, CVE-2023-31315

F13

1. Update GPU Secure function.
2. Enhance PCIe compatibility.
3. Enhance endless boot feature.

F12

1. Optimize AC Loss feature. (In Redfish function: only support command "PowerRestorePolicy")

F11

1. Enhance PCIe compatibility.

F10

1. Optimize Redfish compatibility.
2. Update Inventory v16.

F09

1. Update GBT Channel Genoa AGESA 1.0.0.B.
2. Support Endless Retry PXE feature.

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3. Secure update: CVE-2023-31346, CVE-2023-31347, CVE-2023-39538, CVE-2023-39539, CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235.
4. Support PCIe re-size bar.
5. Fixed yellow bang in windows.
6. Modified USB compatibility.

F08

1. Optimize default year 2024.
2. Fixed X710 LAN Mac issue in Legacy mode.
3. Update Inventory v14 for R183-ZF2-IAL1.
4. Enhance WebUI information.

F07

1. Fixed yellow bang in windows.
2. Fixed Redfish item fail issue.
3. Enhance Redfish feature.
4. Enhance NVMe hotplug feature.
5. Added Power btn control item.
6. Optimize SMBIOS compatibility.
7. Update AGESA 1.0.0.A.

F06

1. Update RedFish feature.
2. Fixed OptionROM disable fial.

F05

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.

F04

1. Update NVME information in WebUI.
2. Fixed clear CMOS with full dimm.
3. Fixed BIOS recovery function.

F03

1. Support R183-ZF2-IAL1-000 System.
2. Update Inventory v12.
3. Update AGESA 1.0.0.9

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F02

1. Optimize Intel LAN Feature
2. Support immersion cooling system R283-ZF0-IAL1-000
3. Modify setup SATA information.
4. Modify BIOS item Default.

F01

1. PVT First release.
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