

BIOS Release Notes

TITLE

SUBJECT: MZF3-GP0 BIOS Release Notes version F31
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: 2026/09/03
BIOS Checksum: 0xB9D05330 (32M)
Release Owner: Nelson.Lin

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZF3-GP0-000
PCB Version: 1.x,3.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Genoa B0	Family 19h Model 10-1Fh	0x0A101020
Genoa B1	Family 19h Model 10-1Fh	0x0A101158
Genoa B2	Family 19h Model 10-1Fh	0x0A101253
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA0021C

IPMI support:
AMI Kernel version: 5.27_GenoaCrb_0ACQT033
AGESA PI version: GenoaPI 1.0.0.J
OPROM version:

OPROM	Version
AST2600	1.13.01
VR	G1FA

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZF3-GP0_F31.zip to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

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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\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

F31

1. [Feature] Update AGESA 1.0.0.J.
2. [Feature] Update DDR manufacturer information.
3. [Fix] Fixed Redfish FBO does not apply issue.
4. [Security] CVE-2025-0027, CVE-2025-29941, CVE-2025-48504, CVE-2025-52535, CVE-2025-62620, CVE-2026-0003, CVE-2026-0893, CVE-2026-28247, CVE-2026-28248, CVE-2026-28249, CVE-2026-40668, CVE-2026-40669, CVE-2026-40670.

F30

1. [Feature] Update DDR manufacturer information.
2. [Feature] Enhance system stability.
3. [Security] CVE-2026-33197.

F29

1. [Feature] Enhance system stability.
2. [Security] CVE-2025-11187, CVE-2025-15467, CVE-2025-68160, CVE-2025-69418, CVE-2025-69419, CVE-2025-69421, CVE-2026-22795, CVE-2026-22796.

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F28

1. [Feature] Update AGESA 1.0.0.H.
2. [Feature] Update DDR manufacturer information.
3. [Feature] Enhance system stability.
4. [Security] CVE-2021-26410, CVE-2021-26381, CVE-2024-21953, CVE-2024-21954, CVE-2024-21961, CVE-2025-0012, CVE-2025-0029, CVE-2025-0031, CVE-2025-0045, CVE-2025-29939, CVE-2025-29946, CVE-2025-29948, CVE-2025-29949, CVE-2025-29950, CVE-2025-29951, CVE-2025-29952, CVE-2024-36310, CVE-2024-36311, CVE-2024-36355, CVE-2025-48509, CVE-2025-48514, CVE-2025-48515, CVE-2025-48517, CVE-2025-52533, CVE-2025-52534, CVE-2025-52536, CVE-2025-54502, CVE-2025-54509, CVE-2025-54510, CVE-2025-54514, CVE-2025-61971, CVE-2025-61972.

F27

1. [Feature] Update Nvme and sata file for verify.

F26

1. [Security] CVE-2025-0033, CVE-2025-3770, CVE-2025-29943.

F25

1. [Feature] Update AGESA 1.0.0.G.
2. [Security] CVE-2024-13176, CVE-2025-29934.

F24

1. [Feature] Update AGESA 1.0.0.F.
2. [Feature] Add Redfish GET method with 5 retries and 500ms delay between attempts.
3. [Feature] Update for supportall slot number NotAvailable string in SMBIOS Type9.
4. [Feature] Add DDR V-Color vendor information in the SMBIOS.
5. [Security] CVE-2023-6237, CVE-2023-52353, CVE-2024-5535, CVE-2024-6119, CVE-2024-9143, CVE-2025-22830.

F23

1. [Feature] Update AGESA 1.0.0.E.
2. [Security] CVE-2024-56161, CVE-2024-36347, CVE-2024-38796

F22

1. [Feature] Support KMIP.
 2. [Fix] Fixed the IPv6 gateway configuration issue on the Server Manager setup page.
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F21

- 1.[Fix] Fix the network configuration switching issue in the BIOS Server Manager setup.
 - 2.[Fix] Fix the issue where having too many installed devices causes the system to hang at the BIOS logo screen.
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F20

1. [AGESA Update] Update AGESA 1.0.0.D.
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F19

1. [Feature] Optimize system compatibility.
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F18

1. [Feature] Support R183-ZF1-IAE1-CP0 system SKU.
 2. [Feature] Update inventory v18 for R183-ZF1-IAE1-CP0
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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.
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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)
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
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F15

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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.
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.

BIOS Release Notes

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

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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