

# BIOS Release Notes

## TITLE

**SUBJECT:** MZG3-GU0 BIOS Release Notes version R12\_F13  
**System:** MZG3-GU0-000,R163-ZG2-AAJ2-000,R163-ZG6-AAL2-000,  
R263-ZG0-AAL2-000,R263-ZG2-AAJ3-000,R263-ZG5-AAL2-000

### About This Release

**Build Date:** 2025/03/11  
**BIOS Checksum:** 0x75A18C00 (32M)  
**Release Owner:** Jason.Wang

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Turin / Genoa Processors  
**System hardware configurations supported:** MZG3-GU0-000  
**PCB Version:** 1.x,3.x  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Turin A0	Family 1Ah Model 00h-0Fh	0x0B00004D
Turin B0	Family 1Ah Model 00h-0Fh	0x0B001016
Turin C0	Family 1Ah Model 00h-0Fh	0x0B002032
Turin C1	Family 1Ah Model 00h-0Fh	0x0B00211E
Turin Dense A0	Family 1Ah Model 00h-0Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 00h-0Fh	0x0B101028

**IPMI support:**  
**AMI Kernel version:** 5.35\_0ACST\_PI1.0.0.3\_017  
**AGESA PI version:** TurinPI 1.0.0.3  
**OPROM version:**

OPROM	Version
AST2600	1.13.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZG3-GU0\_R12\_F13.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.

## BIOS Release Notes

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. Flash script for bios update:
  - 4.1 For AMD EPYC 9004 series CPU, execute f\_GtoT.nsh
  - 4.2 For AMD EPYC 9005 series CPU, execute f.nsh
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. For AMD EPYC 9004 series CPU:
  - 3.1 Enter \Tool\WIN\afuwin32 and execute f\_GtoT.bat for Windows 32bit.
  - 3.2 Enter \Tool\WIN\afuwin64 and execute f\_GtoT.bat for Windows 64bit.
4. For AMD EPYC 9005 series CPU:
  - 4.1 Enter \Tool\WIN\afuwin32 and execute f.bat for Windows 32bit.
  - 4.2 Enter \Tool\WIN\afuwin64 and execute f.bat for Windows 64bit.
5. 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

R12

1. [Fix] Fixed the NVMe hotplug config for R163-ZG2-AAJ2 and R263-ZG0-AAL2 system.

R11

- 1.[Feature] Adjust the default maximum DDR speed.

R10

1. [Fix] Fixed the NVMe hotplug config for R263-ZG5-AAL2 system.

R09

1. [Fix] SCE tool import/export issue.
2. [Fix] Fix Redfish sends data twice after the system has completed booting.

## BIOS Release Notes

3. [Feature] Adjust the maximum speed limit during automatic memory training.
4. [Feature] Add support for PCIe Re-Sizeable BAR functionality.

---

### R08

- 1.[Feature] Update AGESA 1.0.0.3.
- 2.[Feature] Support DDR speed up to 6400, but it requires manual adjustment in the BIOS settings.  
UMC Common Options => Enforce POR => Accept => Memory Target Speed set [DDR6400]
- 3.[Fix] Fix the issue where NVMe speed is reduced to Gen4 after a hot plug.
- 4.[Fix] Fix the issue where SEL reports incorrect DDR channel information when associated with CPU1.
- 5.[Fix] Fix the issue where the system ready to boot process gets stuck when the BMC is unresponsive.

---

### R07

- 1.[Fix] PCIE CXL inventory slot number issue in webui.
- 2.[Fix] PCIE NVMe device hotplug Link Speed downgrade issue.

---

### R06

- 1.[Fix] Update inventory to version:24 for Web BMC device information table.

---

### R05

1. [Fix] Prevent BSOD in the Best Performance mode.

---

### R04

- 1.[Feature] Update AGESA 1.0.0.2
- 2.[Feature] Update inventory table to version: 23.

---

### R03

- 1.[Feature] Update AGESA 1.0.0.1
- 2.[Feature] Add new SKU support: R163-ZG6-AAL2-000, R263-ZG5-AAL2-000

---

### R02

- 1.[Fix] Fix BIOS version display for non-boot bios.

---

### R01

- 1.First release.

## BIOS Release Notes

---