

# BIOS Release Notes

## TITLE

**SUBJECT:** MZB3-G43 BIOS Release Notes version R06\_F16  
**System:** G593-ZX1-AAX1-000,G593-ZX1-LAX1-000

### About This Release

**Build Date:** 2025/03/31  
**BIOS Checksum:** 0x765BE6F7 (32M)  
**Release Owner:** Neil.Lu

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Turin / Genoa Processors  
**System hardware configurations supported:** MZB3-G43-000  
**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 MZB3-G43\_R06\_F16.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.

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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

R06

1. [Fix] Fix PCIE compatibility when install GPU card.

R05

- 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.

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R04

- 1.[Feature] Release R04 BIOS(AGESA1002) for G593-ZX1 combine Genoa F16.
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R04b

- 1.[Bug] Fixed P0 M.2 information not show in WebUI.
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R04a

- 1.[Bug] Fixed some NIC device information in WebUI.
  - 2.[Feature] Enhance device compatibility.
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R03

- 1.[Feature] Update AGESA 1.0.0.2
  - 2.[Feature] Optimize BIOS item default.
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R02

- [Feature] 1. Update AGESA 1.0.0.1
- [BUG] 2. Increase wait GPU time.
- [BUG] 3. Optimize WebUI information.
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R01

1. First release.
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