

BIOS Release Notes

TITLE

SUBJECT: MZB3-G43 BIOS Release Notes version R19_F24
System: MZB3-G43-000,G493-ZB0-AAP1-000,G494-ZB0-AAP2-000,
G494-ZB0-LAP1-000,G593-ZD1-AAX1-000,G593-ZD1-AAX2-000,
G593-ZD1-AAX3-000,G593-ZD1-AAX4-000,G593-ZD1-LAX1-000,
G593-ZD1-LAX3-000,G493-ZB0-AAP1-Q80-SW-011

About This Release

Build Date: 2026/04/23
BIOS Checksum: 0x6CD6E299 (32M)
Release Owner: Nelson.Lin

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	0x0B00215A
Turin Dense A0	Family 1Ah Model 00h-0Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 00h-0Fh	0x0B101054

IPMI support:
AMI Kernel version: 5.35_0ACST_PI1.0.0.9_023
AGESA PI version: TurinPI 1.0.0.9
OPROM version:

OPROM	Version
AST2600	1.13.00
VR	G007

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZB3-G43_R19_F24.zip to a bootable diskette that use FAT/FAT32 format

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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. 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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R19

1. [Feature] Update Genoa AGESA 1.0.0.H.

R18

1. [Feature] Update AGESA 1.0.0.9
2. [Feature] Enhance Redfish.
3. [Feature] Enhance PLX function.
4. [Security] CVE-2023-45236, CVE-2023-45237, CVE-2025-54502, CVE-2025-54507, CVE-2025-54510, CVE-2025-61971, CVE-2025-61972, CVE-2025-62626.

R17

1. [Feature] Enhanced SMBIOS Type10 information.

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R16

1. [Feature] Update for combining genoa new bios version.

R15

1. [Feature] Update for getting BMC IP function fail.

R14

1. [Feature] Update AGESA 1.0.0.7.
2. [Feature] Enhanced system stability.
3. [Security]: CVE-2025-0033, CVE-2025-3770, CVE-2025-29943.
4. [Feature] Optimize WebUI device information
5. [Feature] [Feature] Update Nvme and sata file for verify.

R12

- 1.[Feature] Update AGESA 1.0.0.6.
- 2.[Security]: CVE-2025-52533, CVE-2023-31364, CVE-2025-29950, CVE-2024-36355, CVE-2025-29939, CVE-2025-0012, CVE-2023-20539, CVE-2025-52536, CVE-2024-21961, CVE-2025-29948, CVE-2024-21953, CVE-2025-0027, CVE-2025-29952, CVE-2025-52534, CVE-2025-48517, CVE-2025-0031, CVE-2024-36310, CVE-2025-29946, CVE-2025-48514, CVE-2025-0029, CVE-2025-48509.

R11

1. [Feature] Update AGESA 1.0.0.5.
2. [Security] CVE-2024-13176.

R10

1. [Fix] Fixed console shows abnormal log on POST.
2. [Feature] Enhanced SMBIOS type32 information.

R09

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

R08

1. [Feature] Optimize system compatibility.
 2. [Bug] Fixed some device information incorrect in WebUI.
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R07

1. [Feature] Update AGESA 1.0.0.3.
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R06

1. [Feature] Add Genoa F18 with AGESA 1002 and GCT_RETIMER_PATCH=1.
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R05

1. [Feature] Add Disable Block Sid and SHA256 PCR Bank GBTGSI default token.
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R04

1. [Support] Support G494-ZB0-AAP2 system.
 2. [Feature] Update Inventory v19 for G494-ZB0-AAP2.
 3. [Fix] WebUI some network device information incorrect.
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R03

1. [Feature] Update AGESA 1.0.0.2
 2. [Feature] Add Tcg GBTGSI default token.
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R02

1. [Feature] Update AGESA 1.0.0.1
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R01

1. First release.
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