

BIOS Release Notes

TITLE

SUBJECT: MZB3-G43 BIOS Release Notes version 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: 2026/04/22
BIOS Checksum: 0xBA7FCC5B (32M)
Release Owner: Nelson.Lin

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZB3-G43-000
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_0ACQT031
AGESA PI version: GenoaPI 1.0.0.H
OPROM version:

OPROM	Version
AST2600	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZB3-G43_F24.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

F24

1. [Feature] Update AGESA 1.0.0.H.
2. [Feature] Update DDR manufacturer information.
3. [Feature] Enhance system stability.
4. [Fix] Fix some CBS item cannot load default issue.
5. [Security] CVE-2021-26410, CVE-2021-26381, CVE-2023-2650, CVE-2023-3817, CVE-2023-5678, CVE-2023-6237, CVE-2023-20582, CVE-2023-31315, CVE-2023-31340, CVE-2023-31351, CVE-2023-31355, CVE-2023-45236, CVE-2023-45237, CVE-2023-52353, CVE-2024-5535, CVE-2024-6119, CVE-2024-9143, CVE-2024-13176, CVE-2024-21953, CVE-2024-21954, CVE-2024-21961, CVE-2024-21965, CVE-2024-21978, CVE-2024-21980, CVE-2024-36347, CVE-2024-38796, CVE-2024-56161, CVE-2025-0012, CVE-2025-0029, CVE-2025-0031, CVE-2025-0033, CVE-2025-0045, CVE-2025-3770, CVE-2025-22830, CVE-2025-29934, CVE-2025-29939, CVE-2025-29943, 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.

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F23

1. [Feature] Enhanced Onboard LAN PCIe Link.
 2. [Feature] Enhanced SMBIOS Type10 information.
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F22

1. [Feature] IPMI2 Module.
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F21

1. [Feature] Enhance system stability.
 2. [Feature] Update Nvme and sata file for verify.
 3. [Feature] Support G494-ZB0-LAP1 new system.
 4. [Feature] Update Inventory v20 for G494-ZB0-LAP1.
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F20

1. [Fix] Fixed console shows abnormal log on POST.
 2. [Feature] Enhanced SMBIOS type32 information.
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F19

1. [Feature] Optimize system compatibility.
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F18

1. [BUG] Fix PCIe IRQ incorrect.
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F17

1. Formal Release.
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F16

1. [Support] Support G494-ZB0-AAP2 system.
 2. [Feature] Update Inventory v19 for G494-ZB0-AAP2.
 3. [Feature] Add Disable Block Sid and SHA256 PCR Bank GBTGSI default token.
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F15

1. [Feature] Update AGESA 1.0.0.C
 2. [Feature] Support ROT Mode.
 3. [Feature] Optimize WebUI information for some NIC card.
 4. [Feature] Add Tcg GBTGSI default token.
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F14

1. [Feature] Optimize BcpPro tool compatibility.
 2. [Feature] Optimize system compatibility.
 3. [BUG] Workaround for retimer lost device.
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F13

- 1.[BUG] Fixed AC Power loss funciton.
 2. Support new system SKU
 3. Optimize WebUi information
 4. Update Inventory v18 for new system SKU.
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F12

- 1.Optimize WebUI function.
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F11

- 1.Optimize AC Loss feature. (In Redfish function: only support command "PowerRestorePolicy")
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F10

1. Support G593-ZD3-AAX3 and G593-ZD3-AAX4 system.
 2. Enhance PCIe compatibility.
 3. Update Inventory v16.
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F09

1. Optimize RedFish compatibility.
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F08

1. Update invnetory v14.
 2. Optimize RedFish feature.
 3. Optimize PCIe IRQ.
 4. Fixed POST information incorrect.
 5. Modify USB Tree for WHQL.
 6. Support G593-ZD1-AAX2 and G593-ZD1-AAX3 system.
 7. Update Re-Driver for G593-ZD1-AAX2 and G593-ZD1-AAX3 system.
 8. Optimize PCIe topology.
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F07

1. Optimize default year 2024.
2. Fixed X710 LAN Mac issue in Legacy mode.

BIOS Release Notes

F06

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.

F05

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

F04

1. Fixed CMT4032 could detect device.
2. Fixed BIOS Recovery
3. Update Inventory v04.
4. Support Auto bifurcation.
5. Update NVME WebUI information.
6. Support G493-ZB0 system sku.
7. Modify BIOS Item Default.

F03

1. First release MZB3-G43.
 2. Update AGESA 1.0.0.9.
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