

BIOS Release Notes

TITLE

SUBJECT: MZB3-G43 BIOS Release Notes version F12
System: G593-ZD2-AAX1-000,G593-ZD2-LAX1-000,G593-ZD2-AAX2-000,
G593-ZD2-AAX3-000

About This Release

Build Date: 2024/10/08
BIOS Checksum: 0xBF67343F (32M)
Release Owner: Neil.Lu

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZB3-G43-000
PCB Version: 1.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Genoa B0	Family 19h Model 10-1Fh	0x0A101020
Genoa B1	Family 19h Model 10-1Fh	0x0A101148
Genoa B2	Family 19h Model 10-1Fh	0x0A101248
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA00215

IPMI support:
AMI Kernel version: 5.27_GenoaCrb_0ACQT025
AGESA PI version: GenoaPI 1.0.0.C
OPROM version:

OPROM	Version
AST2600	1.12.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZB3-G43_F12.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.
3. Enter your USB filesystem, like "fs0:" or "fsx:", "x" is your USB filesystem number
4. Execute F.nsh for bios update

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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

F12

1. [Bug] Optimize Webui device information such as BCM57416 and ConnectX-5.
2. [Feature] Optimize system.

F11

1. Update AGESA 1.0.0.C.
2. [Bug] Optimize PCIe link speed.
3. [Security Update] PKfail issue.
4. [Feature] Optimize WebUI HDD Inventory information.
5. [Feature] Optimize CX7 WubUI Inventory information.
6. [Feature] Fine tune BMC IPv6 and IPv4 Network.
7. Remove item "Boot mode select".
8. 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)
9. Change item "Endless Retry Boot" Redfish AttributeName from "Genoa834" to "GBT0168" .
10. Secure update: CVE-2023-31355, CVE-2024-21978, CVE-2024-21980, CVE-2023-31315

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F10

- 1.Optimize NVME device.
- 2.Optimize SMBIOS information.

F09

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

F08

1. Support G593-ZD2-AAX3 system SKU.
2. Enhance PCIe compatibility.

F07

1. Update AGESA 1.0.0.B
2. Support G593-ZD2-AAX2 system.
3. Update re-driver for G593-ZD2-AAX2 system.
4. 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.

F06

1. Set default year from 2023 to 2024.
2. Fixed X710 LAN Mac issue in Legacy mode.

F05

1. Enhance RedFish function.
2. Fixed yellow bang in windows.
3. Fixed Redfish item fail issue.
4. Enhance NVMe hotplug feature.
5. Added Power btn control item.
6. Update Inventory v07 for G593-ZD2-LAX1
7. Fine tune SATA information.
8. Update AGESA 1.0.0.A
9. Update Ucode.
10. Support CPU Serial Number in SMBIOS type4
11. Support VGA SEL Log

F04

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1. Fixed WebUI NIC information.
2. Fixed Intel X550 or X710 ipref drop performance.
3. Fixed install CX7 * 12 system hang up.
4. Some slot support auto bifurcation.
5. Fixed BIOS recovery
6. Update NVME WebUI information.
7. Modify BIOS Item Default.

F03

1. MZB3-G53(G593-ZD2) First release.
 2. Update AGESA 1.0.0.9.
 3. Update Inventory v02.
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