BIOS Release Notes

TITLE

SUBJECT: MZB3-G41 BIOS Release Notes version F25
System: MZB3-G41-000,CDCG110-00,G493-ZB1-AAP1-000,G493-ZB2-AAP1-000,
G493-ZB3-AAP1-000,G493-ZB4-AAP1-000,G494-ZB4-AAP2-000

About This Release

Build Date: **2024/12/15**
BIOS Checksum: **0xBE37D746 (32M)**
Release Owner: **Neil.Lu**

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZB3-G41-000
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	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_0ACQT026
AGESA PI version: GenoaPI 1.0.0.D
OPROM version:

OPROM	Version
AST2600	1.12.00

Installation Notes

IMPORTANT NOTES:
1. Please extract the MZB3-G41_F25.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

BIOS Release Notes

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

Known Issues/Workarounds

Issues fixed in this version

F25
1. [Feature] Update AGESA 1.0.0.D
2. [Feature] Support G494-ZB4-AAp2 systemc SKU.
3. [Fix] Fixed some NIC webui information incorrect.
4. [Feaute] Update Invnetory v40 for support G494-ZB4-AAP2

F24
1. [Feature] Support NVIDIA H200 GPU.

F23
1. [Feature] Optimize system compatibility.

F22
1. [Security Update] PKfail issue.
2. [Feature] Optimize WebUI HDD Inventory information.
3. [Feature] Optimize CX7 WubUI Inventory information.
4. Update AGESA 1.0.0.C
5. [Security] Secure update: CVE-2024-21965, CVE-2023-31351, CVE-2023-20582, CVE-2023-31340, CVE-2024-21978, CVE-2024-21980, CVE-2023-31355, CVE-2023-5678, CVE-2023-45236, CVE-2023-45237, CVE-2023-2650, CVE-2023-3817, CVE-2023-31315.

BIOS Release Notes

6. [Feature] Optimize WebUI information.
7. [Feature] Update Inventory Mapping system v38.
8. [Feature] Update VR FW.

F21

1.[Bug] Optimize NVME hot plug function.
2.[Bug] Install CLN4222 with PEX downstream slot, the GPU couldn't detected by NVSMI.
3.[Bug] Optimize PCIe configuration.

F20

1. Optimize PEX switch page function.

F19

1. Update Inventory Mapping system v36.
2. Support PEX switch page.

F18

1. Modify USB tree for HLK.

F17

1. Enhance PCIe compatibility.
2. Update Inventory Mapping system v35.

F16

1. Optimize Redfish compatibility.

F15

1. Update GBT Channel Genoa AGESA 1.0.0.B.
2. Support Endless Retry PXE feature.
3. 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.
4. Support PCIe re-size bar.
5. Update Inventory Mapping system v27.

F14

1. Optimize default year 2024.

2. Fixed X710 LAN Mac issue in Legacy mode.

F13
1. Update Inventory Mapping system v23.
2. Enhance WebUI Information.

F12
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.

F11
1. Update AGESA 1.0.0.A
2. Support P1_P5 Slot.
3. Modify BIOS item name.
4. Support G493-ZB4-AAP1-000 system.

F10
1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.
4. Update TI Power solution vG6FF.

F09
1. Update Power solution.
2. Support PCIe Slot auto bifurcation. Only for CPU PCie slot.
3. Update AGESA 1.0.0.9
4. Update TI Power solution vG5FF.
5. Fixed BIOS recovery.

F08
1. Update Inventory Mapping system v17.
2. Modify Item Default.

F07
1. Update Agesa 1.0.0.8

2. Enable MCTP Function.
3. Modify BIOS item default

F06

1. Fixed STA information incorrect.

F05

1. Fine tune NVME hotplug.
2. Fine tune PCIe Link speed item.
3. Fine tune item default behavior.

F04

1. Update Inventory Mapping system.

F03

1. Updated AGESA 1.0.0.7.
2. Update Inventory Mapping system.
3. Optimize NVME hot plug.
4. Update SMBIOS for onboard Device.

F02

1. Update Inventory Mapping system.
2. Fixed COM Port mouse is not working.
3. Added DIMM Manufacturer ID 0x1A08.
4. Fixed NVME LED control failed.
5. Fixed SATA LED Control failed.
6. Adjust the display order of NVME devices list.

F01

1. PVT first release.