BIOS Release Notes

TITLE

SUBJECT: MZ33-CP1 BIOS Release Notes version R20_F13
System: MZ33-CP1-000

About This Release

Build Date: **2026/02/15**
BIOS Checksum: **0x6DC9A85E (32M)**
Release Owner: **Nelson.Lin**

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZ33-CP1-000
PCB Version: 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

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ33-CP1_R20_F13.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. 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

R20

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.

R19

1. [Feature]: Correction of SKU matching issue.
2. [Feature]: Gctverify_ci.

R18

1. [Feature]: Update AGESA 1.0.0.7
2. [Feature]: Support HDD OPAL
3. [Security]: CVE-2025-0033, CVE-2025-3770, CVE-2025-29943.

R17

1. [Feature] Update VR Code G1FE.

R16

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.

R15

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

R14

1. [Feature] Update DDR manufacturer information.
2. [Feature] Add Microsoft Option ROM UEFI CA 2023 key.
3. [Feature] Enhance SMBIOS type9.
4. [Feature] Enhance Redfish.

R13

1.[Feature] Update AGESA 1.0.0.4.
2.[Security] CVE-2023-6237, CVE-2024-6119, CVE-2024-7344.

R12

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

R11

1.[Feature] Adjust the default maximum DDR speed.

R10

1. [Fix] SCE tool import/export issue.
2. [Fix] Fix Redfish sends data twice after the system has completed booting.
3. [Feature] Adjust the maximum speed limit during automatic memory training.
4. [Feature] Add support for PCIe Re-Sizeable BAR functionality.

R09

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]
Note: The maximum supported speed is based on product specifications.
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.

R08

1. [Fix] Prevent BSOD in the Best Performance mode.
2. [Feature] Update AGESA 1.0.0.2.

R07

1. [Feature] Fixed Slot2 slot4 auto detect.

R06

1. [Feature] Prevent AC Loss send 0xF to BMC, the BMC power policy will change to always-off status.
2. [Feature] Fixed Post Network hotkey.
3. [Feature] Fixed F12 Hotkey.

R05

1.[Feature] AGESA 1000 NDA_Patch3 .
2.[Feature] Sync with Genoa solution for fix PCIe Linke speed couldn't modify by bios item.

R04

1.[Feture]Fixed UsbTree display meet to HW Design.
2.[Feture]M.2 Speed meet SPEC.

R03

1.[Feture]Fixed Web UI Display HDD.
2.[Feture]Setup menu SATA Information.
3.[Feture]F12 Hot Key function.

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R02

1.[Feture] Web UI Display.
2.[AGESA] 1.0.0.0 RC1.
3.[Feture]Hot plug function.
4.[Feture]ECC function.

R01

1.[Feature] Fist Release.
2.[AGESA] 0.0.9.0.
