

BIOS Release Notes

TITLE

SUBJECT: MZ33-DC0 BIOS Release Notes version R31_F44
System: MZ33-DC0-000,MZ33-DC1-000,R163-Z30-AAB1-000,
R163-Z30-AAG1-000,R163-Z30-AAB2-000,R163-Z30-AAG2-000,
R163-Z32-AAB1-000,R163-Z32-AAG1-000,R163-Z32-AAC1-000,
R163-Z32-AAH1-000,R163-Z32-AAC2-000,R163-Z32-AAH2-000,
E163-Z30-AAB1-000,E163-Z30-AAG1-000,R263-Z30-AAC1-000,
R263-Z30-AAH1-000,R263-Z30-AAC2-000,R263-Z30-AAH2-000,
R263-Z32-AAC1-000,R263-Z32-AAD1-000,R263-Z32-AAH1-000,
R263-Z32-AAV1-000,E263-Z30-AAD1-000,E263-Z30-AAV1-000,
R163-Z35-AAC1-000,R163-Z35-AAH1-000,R263-Z34-AAC1-000,
R263-Z34-AAH1-000,R263-Z36-AAD1-000,R263-Z36-AAV1-000,
R263-Z36-AAE1-000,R263-Z36-AAJ1-000,R263-Z37-AAC1-000,
R263-Z37-AAH1-000,R263-Z30-AAC2-IF0-SW-001,
R163-Z32-AAC1-IF0-SW-002,R163-Z34-AAC1-000,R163-Z34-AAH1-000,
E163-Z34-AAC1-000,E163-Z34-AAH1-000,E263-Z34-AAE1-000,
E263-Z34-AAJ1-000,R163-Z36-AAJ2-000,R263-Z39-AAJ2-000,
R263-Z37-AAH1-YS0-SW-001,R263-Z37-AAH2-000

About This Release

Build Date: 2026/02/15
BIOS Checksum: 0x69704B25 (32M)
Release Owner: Nelson.Lin

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZ33-DC0-000, MZ33-DC1-000
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

BIOS Release Notes

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-DC0_R31_F44.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 during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R31

1. [Feature] Update AGESA 1.0.0.9
2. [Feature] Enhance Redfish.
3. [Feature] Enhance PLX function.

BIOS Release Notes

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.

R30

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

R29

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

R28

1. [Feature] Added R263-Z37-AAH2-000 system support.
2. [Feature] Update System Inventory information v82.
3. [Feature] Support Endless Retry Boot.

R27

- 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.

R26

1. [Feature] Added R263-Z37-AAH1-YS0-SW-001 system support.
2. [Feature] Update System Inventory information v80.

R25

1. [Fix] WebUI HDD PCI device displ.
2. [Feature] Update System Inventory information v78.

R24

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

R23

BIOS Release Notes

- 1.[Feature] Improve ipmi function stability.

R22

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.

R21

- 1.[Feature] NetworkStack settings will reset across AFU BIOS update

R20

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

R19

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

R18

1. [Fix] Fixed the NVMe hotplug config for R263-Z39-AAJ2 system.

R17

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

R16

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.

R15

- 1.[Fix] Fix AMISCE tool export issue.(ERROR code:64 allocate memory error)

R14

- 1.[Fix] Fix AMISCE tool export issue.(ERROR code:64 allocate memory error)
-

BIOS Release Notes

R13

- 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.

R12

- 1.[Feature] G3 port hotplug function setting.

R11

- 1.[Feature] Update System Inventory information v68.
- 2.[Fix] Fix usb tree information.
- 3.[Fix] Fix Nvme devices order are incorrect in WebUI.

R10

- 1.[Feature] Update AGESA 1.0.0.2.
- 2.[Fix] Fix the network configuration switching issue in the BIOS Server Manager setup.
- 3.[Fix] Fix the issue where having too many installed devices causes the system to hang at the BIOS logo screen.
- 4.[Security] CVE-2024-0179, CVE-2024-21925, CVE-2024-21944, CVE-2020-10255.

R09

1. [Feature] Update MZ33-DC1 VR Code(Ver:A2 G106) .

R08

1. [Feature] Added R163-Z36-AAJ2-000, R263-Z39-AAJ2-000 systems support.
2. [Feature] Update System Inventory information v66.

R07

- 1.[Feature] Modify VR Code structure.

R06

BIOS Release Notes

- 1.[Feature] Update combine bios version.

R05

- 1.[Feature] Fixed Post Network hotkey.

R04

- 1.[Feature] AGESA 1000 NDA_Patch3 .

R04a

- 1.[Feature] Fix NVME Hotplug function.
- 2.[Feature] Fix abnormal SATA device information in POST console output.
- 3.[Feature] Fix SATA information display on setup menu.
- 4.[Feature] Fix SATA hotplug function.
- 5.[Feature] Mapping Table inventory.bin version 63.
- 6.[Feature] Support WebUI PCI/HDD Display function.

R03

- 1.[Bug Fix] Fix abnormal SATA device information in POST console output.
- 2.[AGESA]1.0.0.0 NDA.

R02

- 1.[Feature] Fix F12 hot key is no functioning issue.

R01

- 1.[AGESA]AGESA1.0.0.0 RC1.
 - 2.[Feature]Fixed ECC Function.
 - 3.[Feature]Fixed NMI Function.
-