

# BIOS Release Notes

## TITLE

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**SUBJECT:** MZ33-DC0 BIOS Release Notes version R29\_F43  
**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

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### About This Release

**Build Date:** 2025/10/23  
**BIOS Checksum:** 0x6CCF7505 (32M)  
**Release Owner:** Jason.Wang

### 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	0x0B002152
Turin Dense A0	Family 1Ah Model 00h-0Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 00h-0Fh	0x0B10104F

**IPMI support:**  
**AMI Kernel version:** 5.35\_0ACST\_PI1.0.0.7\_021

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**AGESA PI version: TurinPI 1.0.0.7**

**OPROM version:**

OPROM	Version
AST2600	1.13.00

## Installation Notes

### IMPORTANT NOTES:

1. Please extract the MZ33-DC0\_R29\_F43.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

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.

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R28

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

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R27

- 1.[Feature] Update AGESA 1.0.0.6.

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R26

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

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R25

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

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R24

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

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R23

- 1.[Feature] Improve ipmi function stability.

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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.

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R21

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

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R20

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

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R19

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

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R18

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

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R17

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

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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.

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R15

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

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R14

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

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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.

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R12

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

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## R11

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

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## 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.

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## R09

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

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## R08

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

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## R07

- 1.[Feature] Modify VR Code structure.

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## R06

- 1.[Feature] Update combine bios version.

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## R05

- 1.[Feature] Fixed Post Network hotkey.

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## R04

- 1.[Feature] AGESA 1000 NDA\_Patch3 .

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## 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.

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6.[Feature] Support WebUI PCI/HDD Display function.

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R03

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

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R02

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

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R01

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