

BIOS Release Notes

TITLE

SUBJECT: MZ33-DC0 BIOS Release Notes version F45
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: 2026/03/31
BIOS Checksum: 0xB7AB2619 (32M)
Release Owner: Nelson.Lin

BIOS Components/Contents

Processor stepping(s) supported: AMD 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
Genoa B0	Family 19h Model 10-1Fh	0x0A101020
Genoa B1	Family 19h Model 10-1Fh	0x0A101158
Genoa B2	Family 19h Model 10-1Fh	0x0A101253
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA0021C

IPMI support:
AMI Kernel version: 5.27_GenoaCrb_0ACQT031

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AGESA PI version: GenoaPI 1.0.0.H

OPROM version:

OPROM	Version
AST2600	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ33-DC0_F45.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
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

F45

1. [Feature] Update AGESA 1.0.0.H.
2. [Feature] Update DDR manufacturer information.
3. [Feature] Enhance system stability.
4. [Security] CVE-2021-26410, CVE-2021-26381, CVE-2024-21953, CVE-2024-21954, CVE-2024-21961, CVE-2025-0012, CVE-2025-0029, CVE-2025-0031, CVE-2025-0045, CVE-2025-29939, CVE-2025-29946, CVE-2025-29948, CVE-2025-29949, CVE-2025-29950, CVE-2025-29951, CVE-2025-29952, CVE-2024-36310, CVE-2024-36311, CVE-2024-36355, CVE-2025-48509, CVE-2025-48514, CVE-2025-48515, CVE-2025-

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48517, CVE-2025-52533, CVE-2025-52534, CVE-2025-52536, CVE-2025-54502, CVE-2025-54509, CVE-2025-54510, CVE-2025-54514, CVE-2025-61971, CVE-2025-61972.

F44

1. [Feature] Update Nvme and Sata file for verify.

F43

1. [Security] CVE-2025-0033, CVE-2025-3770, CVE-2025-29943.

F42

1. [Feature] Added R263-Z37-AAH2-000 system support.
2. [Feature] Update System Inventory information v82.

F41

1. [Feature] Update AGESA 1.0.0.G.
2. [Security] CVE-2024-13176, CVE-2025-29934.

F40

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

F39

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

F38

1. [Fix] Network BBS priorities will reset after AFU bios update.

F37

1. [Feature] Update AGESA 1.0.0.F.
2. [Feature] Add Redfish GET method with 5 retries and 500ms delay between attempts.
3. [Feature] Update for support all slot number NotAvailable string in SMBIOS Type9.
4. [Feature] Add DDR V-Color vendor information in the SMBIOS.
5. [Security] CVE-2023-6237, CVE-2023-52353, CVE-2024-5535, CVE-2024-6119, CVE-2024-9143, CVE-2025-22830.

F36

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1. [Fix] Fixed PXE boot order not reset after AFU bios update.
2. [Fix] IPV6 PXE default disabled to avoid PXE list reorder issue.

F35

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

F34

1. [Feature] Update AGESA 1.0.0.E.
2. [Security] CVE-2024-56161, CVE-2024-36347, CVE-2024-38796

F33

1. [Fix] Fix WebUI HDD NVME display issue.

F32

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

F31

1. [Feature] Support KMIP.
2. [Fix] Fixed the IPv6 gateway configuration issue on the Server Manager setup page.

F30

- 1.[Feature] Update System Inventory information v68.

F29

- 1.[Feature] Update AGESA 1.0.0.D.
- 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.

F28

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

F27

1. [Feature] Modify R163-Z36-AAJ2-000, R263-Z39-AAJ2-000 systems config.

F26

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

F25

1. [Feature] Release F25 for Turin PVT.

F24

1. [Featuer] support AMI BCP PRO tool.

F23

1. [Security Update] PKfail issue.
2. [Feature] Optimize WebUI HDD Inventory information.
3. [Feature] Optimize CX7 WubUI Inventory information.

F22

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.
2. Remove item "Boot mode select".
3. 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)
4. Change item "Endless Retry Boot" Redfish AttributeName from "Genoa834" to "GBT0168" .
5. Update GBT Channel Genoa AGESA 1.0.0.C.
6. Secure update: CVE-2023-31355, CVE-2024-21978, CVE-2024-21980, CVE-2023-31315

F21

1. Optimize GBT Channel Genoa Agesa 1.0.0.C.

F20

1. Update GBT Channel Genoa AGESA 1.0.0.C.
 2. 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
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F19

1. Update GPU Secure function.
 2. Enhance PCIe compatibility.
 3. Enhance endless boot feature.
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F18

1. Optimize AC Loss feature. (In Redfish function: only support command "PowerRestorePolicy")
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F17

1. Enhance PCIe compatibility.
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F16

1. Optimize Redfish compatibility.
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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. Added R263-Z30-AAC2-IF0-SW-001, R163-Z32-AAC1-IF0-SW-002 system support
 5. Update Invnetory v58.
 6. Added R163-Z34-AAC1-000, R163-Z34-AAH1-000, E163-Z34-AAC1-000, E163-Z34-AAH1-000, E263-Z34-AAE1-000, E263-Z34-AAJ1-000 system support.
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F14

1. Update AGESA 1.0.0.B.
 2. Support Endless Retry PXE feature.
 3. Added R263-Z30-AAC2-IF0-SW-001, R163-Z32-AAC1-IF0-SW-002 system support
 4. Update Invnetory v58.
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F13

1. Optimize default year 2024.
 2. Fixed X710 LAN Mac issue in Legacy mode.
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F12

1. Fixed yellow bang in windows.
2. Fixed Redfish item fail issue.

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3. Enhance Redfish feature.
4. Enhance NVMe hotplug feature.
5. Added Power btn control item.
6. Optimize SMBIOS compatibility.
7. Update AGESA 1.0.0.A.

F11

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.

F10

1. Modify Gen5 systems hotplug table.
2. Optimize R263-Z37-AAC1/AAH1 PCIE SLOT compatibility.
3. Update AGESA 1.0.0.9.
4. Fixed system full DIMM reboot issue.
5. Fixed BIOS recovery issue.
6. Optimize SMBIOS compatibility.
7. Update System Inventory information v56.

F09

1. Update AGESA 1.0.0.8.
2. Enable MCTP feature.
3. Modify SATA Mode item default from "AHCI AS ID 0X7904" to "ACHI".
4. Update System Inventory information v43.
5. Optimize USB compatibility.
6. Update VR firmware vG006.

F08

1. Adjusted BMC Watch Dog timer.
2. Optimize Chelsio cards compatibility.
3. Added R263-Z36-AAD1-000,R263-Z36-AAV1-000,R263-Z36-AAE1-000,R263-Z36-AAJ1-000,R263-Z37-AAC1-000,R263-Z37-AAH1-000 system support.
4. Optimize Hotplug compatibility.

F07

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.

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6. Adjust the display order of NVME devices list.
7. Added R163-Z35-AAC1-000, R163-Z35-AAH1-000, R263-Z34-AAC1-000, R263-Z34-AAH1-000 systems support.

F06

1. Updated AGESA 1.0.0.5.
2. Fixed SATA incorrect issue on WebUI page.

F05

1. Added system R163-Z30-AAG1-000, R163-Z30-AAG2-000, R163-Z32-AAG1-000, R163-Z32-AAH1-000, R163-Z32-AAH2-000, E163-Z30-AAG1-000, R263-Z30-AAH1-000, R263-Z30-AAH2-000, R263-Z32-AAD1-000, R263-Z32-AAV1-000, E263-Z30-AAV1-000 support.

F04

1. fixed sata hot plug function.

F03

1. Fine tune memory slot naming.

F02

1. Update AGESA 1.0.0.2.
2. Update Microcode.
3. Support Bergamo CPU.

F01

1. First release.
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