

BIOS Release Notes

TITLE

SUBJECT: MZ73-LM0 BIOS Release Notes version R17_F39
System: MZ73-LM0-000

About This Release

Build Date: 2025/12/23
BIOS Checksum: 0x6DE75490 (32M)
Release Owner: Iris.Chang

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZ73-LM0-000
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
AGESA PI version: TurinPI 1.0.0.7
OPROM version:

OPROM	Version
AST2600	1.13.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ73-LM0_R17_F39.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.

BIOS Release Notes

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

R17

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

R16

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

R15

- 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,

BIOS Release Notes

CVE-2025-48514, CVE-2025-0029, CVE-2025-48509.

R14

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

R13

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.

R12

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

R11

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

R10

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

R09

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.

R08

- 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

BIOS Release Notes

unresponsive.

R07

1. [Fix] Prevent BSOD in the Best Performance mode.

R06

- 1.[Feature] Fixed USB Tree.

R05

- 1.[Feature] AGESA 1.0.0.2.
- 2.[Feature] Add MB Version3.2.
- 3.[Feature] MAX MEMORY SIZE PER DIMM follow SPEC setting.

R04

- 1.[Feature] AGESA 1000 NDA_Patch3 .
- 2.[Feature] Correct SATA Information on setup page.

R03

- 1.[Function] Fixed slot3 OptionROM Disabled .

R02

- 1.[AGESA] AGESA 1.0.0.0 RC1.
- 2.[Feature] Fixed ECC function.
- 3.[Feature] Fixed NMI function.
- 4.[Mapping Table] inventory ver03.

R01

- 1.[Feature] F10 Release.
 - 2.[Feature] Add SLS SATA Detect function.
-