

BIOS Release Notes

TITLE

SUBJECT: MZ73-LM0 BIOS Release Notes version F39
System: MZ73-LM0-000

About This Release

Build Date: 2025/12/23
BIOS Checksum: 0xBA445EA3 (32M)
Release Owner: Iris.Chang

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZ73-LM0-000
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_0ACQT029
AGESA PI version: GenoaPI 1.0.0.G
OPROM version:

OPROM	Version
AST2600	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ73-LM0_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.
3. Enter your USB filesystem, like "fs0:" or "fsX:", "X" is your USB filesystem number

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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

F39

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

F38

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

F37

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

F36

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 supportall 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.

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

F34

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

F33

1. [Feature] Fixed MZ73LM0 TPM ITEM Disabled hang FF3F.
2. [Feature] AGESA 1.0.0.B.

F32

1. [Feature] support AMI BCP PRO tool.

F31

1. [Feature] Dual_imag function.

F30

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

F29

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

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1. Optimize GBT Channel Genoa Agesa 1.0.0.C.

F27

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

F26

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

F25

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

F24

1. Enhance PCIe compatibility.

F23

1. Optimize Redfish compatibility.

F22

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.

F21

1. Modify MCIO bifurcation.

F20

1. Optimize default year 2024.
 2. Fixed X710 LAN Mac issue in Legacy mode.
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F19

1. Fixed yellow bang in windows.
 2. Fixed Redfish item fail issue.
 3. Enhance Redfish feature.
 4. Enhance NVMe hotplug feature.
 5. Added Power btn control item.
 6. Optimize SMBIOS compatibility.
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F18

1. Enhance Redfish function.
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F17

1. Fixed WHLK issue.
 2. Update Agesa 1.0.0.A.
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F16

1. Optimize SMBIOS compatibility.
 2. Optimize PCIe LAN card compatibility.
 3. Optimize system inventory compatibility.
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F15

1. Remove U2_P1_G0A & U2_P1_G0B present function.
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F14

1. Fixed system reboot when error hold on.
 2. Fixed yellow bang in windows.
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F13

1. Adjust U2_P1_P0A and U2_P1_P0B support behavior.
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F12

1. MOIO Item U2_P1_P0 modify to U2_P1_P0A & U2_P1_P0B .
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F11

1. Adjusted BMC Watch Dog timer.
 2. Optimize Chelsio cards compatibility.
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F10

1. Support Present function.
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F09

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.
 6. Adjust the display order of NVME devices list.
 7. Support PCIe Slot1/2 x4x4x4x4 capability.
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F08

- 1.Support PCIe Slot1/2 x4x4x4x4 capability for PCB VER.2.0.
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F06

1. Updated AGESA 1.0.0.5.
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F05

1. Modify setup menu sata info back to no reversal to match HW(1.0) design.
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F04

1. Fixed sata info on setup menu & WebbUI.
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F03

1. Change slsas slot1.2 default funtion.
 2. Fixed M.2 no show issue on setupmenu.
 3. 9555 write low.
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F02

1. Add MZ73-LM1 System.
 2. Update Agesa1003.
 3. remove U2_P1_P0 X16.
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F01

1. First Release.
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