

BIOS Release Notes

TITLE

SUBJECT: MZ73-LM1 BIOS Release Notes version F39

System: MZ73-LM1-000,MZ73-LM2-000

About This Release

Build Date: 2025/02/27

BIOS Checksum: 0xBBE42D3F (32M)

Release Owner: Auto.Build(Candy.Wu)

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors

System hardware configurations supported: MZ73-LM1-000, MZ73-LM2-000

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	0x0A101154
Genoa B2	Family 19h Model 10-1Fh	0x0A10124F
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA00219

IPMI support:

AMI Kernel version: 5.27_GenoaCrb_0ACQT027

AGESA PI version: GenoaPI 1.0.0.E

OPROM version:

OPROM	Version
AST2600	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ73-LM1_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
4. Execute F.nsh for bios update
5. After bios flash finish, system must Power-Off to have the changes take effect.

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

F38

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

F37

1. [Feature] Update MZ73-LM2 Redriver v20241209A.

F36

- 1.[Fix] Fix the network configuration switching issue in the BIOS Server Manager setup.
- 2.[Fix] Fix the issue where having too many installed devices causes the system to hang at the BIOS logo screen.

F35

1. [Feature] Update MZ73-LM2 Redriver v20241022A.

F34

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1. [Feature] Update MZ73-LM2 Redriver v20241018A.
2. [Feature] AGESA 1.0.0.D.

F33

1. [Feature] Fixed MZ73-LM2 VR load fail.

F32

1. [Feature] Support MZ73-LM2 no SKU detect.

F31

1. [Feature] Support MZ73-LM2 VR Code.

F30

1. [Feature] support AMI BCP PRO tool.

F29

1. [Feature] MZ73-LM1 inventory_04

F28

1. [Feature] Add SATA Redriver.(As same as LM73-LM1)

F27

1. [Feature] Disabled MZ73-LM2 VR Code.

F26

1. [New Project] Add MZ73-LM2.
2. [Feature] Add MZ73-LM2 Redriver.

F25

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

F24

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.
2. Remove item "Boot mode select".

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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

F23

1. Optimize GBT Channel Genoa Agesa 1.0.0.C.

F22

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

F21

1. Update GPU Secure function.

2. Enhance PCIe compatibility.

3. Enhance endless boot feature.

F20

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

F19

1. Enhance PCIe compatibility.

F18

1. Optimize Redfish compatibility.

F17

1. Update GBT Channel Genoa AGESA 1.0.0.B.

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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.

F16

1. Modify MCIO bifurcation.

F15

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

F14

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.
7. Update AGESA 1.0.0.A.

F13

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

F12

1. Remove U2_P1_G0A & U2_P1_G0B present function.

F11

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

F10

1. Adjust U2_P1_P0A and U2_P1_P0B support behavior on Webui.

F09

1. Adjust U2_P1_P0A and U2_P1_P0B support behavior.

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F08

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

F07

1. Support Present function.

F06

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.

F05

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

F04

1. Fixed sata info on setup menu & WebbUI.

F03

1. git MZ73-LM1 BIOS F03.
2. Fixed Sata show erro on setup menu.

F02

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

F01

1. First Release.
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