

BIOS Release Notes

TITLE

SUBJECT: MZU3-MG0 BIOS Release Notes version F20
System: CSC403-00,MZU3-MG0-000,XV23-ZU0-AAJ1-000,G494-ZU0-AAP1-000,
W793-ZU0-LA71-000

About This Release

Build Date: 2026/09/03
BIOS Checksum: 0xB6B547F9 (32M)
Release Owner: Nelson.Lin

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZU3-MG0-000
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_0ACQT033
AGESA PI version: GenoaPI 1.0.0.J
OPROM version:

OPROM	Version
AST2600	1.13.01

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZU3-MG0_F20.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.

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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

F20

1. [Feature] Update AGESA 1.0.0.J.
2. [Feature] Update DDR manufacturer information.
3. [Fix] Fixed Redfish FBO does not apply issue.
4. [Security] CVE-2025-0027, CVE-2025-29941, CVE-2025-48504, CVE-2025-52535, CVE-2025-62620, CVE-2026-0003, CVE-2026-0893, CVE-2026-28247, CVE-2026-28248, CVE-2026-28249, CVE-2026-40668, CVE-2026-40669, CVE-2026-40670.

F19

1. [Feature] Update DDR manufacturer information.
2. [Feature] Enhance system stability.
3. [Security] CVE-2026-33197.

F18

1. [Feature] Enhance system stability.
2. [Security] CVE-2025-11187, CVE-2025-15467, CVE-2025-68160, CVE-2025-69418, CVE-2025-69419, CVE-2025-69421, CVE-2026-22795, CVE-2026-22796.

F17

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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-2025-48517, 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.

F16

1. [Feature] Optimize IO Resource for R9700.

F15

1. [Feature] Update VR to version: G1F9.

F14

1. [Feature] Add system W793-ZU0-LA71-000.
2. [Feature] Update Inventory v21.

F13

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

F12

1. [Fix] Fix Switch BIOS1 BIOS2 failed issue.

F11

1. [Fix] Fix TO25-ZU4-AA01 OCP read present issue

F10

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

F09

1. [Fix] Fix LAN Mac address display in WebBMC.
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F08

1. [Feature] Optimize PCIe compatibility.
 2. [Feature] Update Inventory v18.
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F07

1. [Feature] Optimize PCIe compatibility.
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F06

1. [Feature] Update Inventory v16.
 2. [Feature] Optimize PCIe compatibility.
 3. [Fix] Optimize LAN controller BIOS item.
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F05

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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F04

1. [Feature] Update for PCIe NVMe compatibility.
 2. [Fix] Update for Setup Menu PCIe OPROM item typo.
 3. [Fix] Fixed console shows abnormal log on POST.
 4. [Feature] Enhanced SMBIOS type32 information.
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F03

1. [Feature] Update AGESA 1.0.0.E.
 2. [Security] CVE-2024-56161, CVE-2024-36347, CVE-2024-38796
 3. [Feature] Added G494-ZU0-AAP1-000, TO25-ZU4-AA01-000, TO25-ZU5-AA01-000 system support.
 4. [Feature] Update Inventory v13.
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F02

1. [Feature] Support KMIP.
 2. [Fix] Fixed the IPv6 gateway configuration issue on the Server Manager setup page.
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F01

1. First release.

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