BIOS Release Notes

TITLE

SUBJECT:	MZX3-MG0 BIOS Release Notes version R16_F16
System:	MZX3-MG0-000,XV23-ZX0-AAJ1-000,XV23-ZX0-IAJ1-000,CSC401-00

About This Release

Build Date: **2026/01/30**
BIOS Checksum: **0x5AF56D0D (64M)**
Release Owner: **Ian.Liu**

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZX3-MG0-000
PCB Version: 1.x,3.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Turin A0	Family 1Ah Model 00-0Fh	0x0B00004D
Turin B0	Family 1Ah Model 00-0Fh	0x0B001016
Turin C0	Family 1Ah Model 00-0Fh	0x0B002032
Turin C1	Family 1Ah Model 00-0Fh	0x0B002152
Turin Dense A0	Family 1Ah Model 10-1Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 10-1Fh	0x0B10104F

IPMI support:
Insyde Kernel version: AMD_Turin_MultiBoard_Rev5.6_v05.61.43.0020
AGESA PI version: TurinPI 1.0.0.7
OPROM version:

OPROM	Version
AST2600	1.13.04

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZX3-MG0_R16_F16.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\Win32 and execute f.bat for Windows 32bit.
   Or
   Enter \Tool\Win64 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.
3. BMC 23.08.xx is End of Support, so tar.gz file only support 24.06.xx or last version.

BIOS Version CHECK INSTRUCTIONS:
1. Power on system and press <DEL> during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version

R16 (2026/01/30)
1.Support BMC 24.06.xx.

R15 (2026/01/30)
1. Fix single CPU hang code.

R14 (2025/12/03)
1. Update Turin AGESA 1.0.0.7 .
2. CVE-2025-3770, CVE-2025-3052.

R13 (2025/09/15)
1. Kernel update AGESA 1.0.0.6
2. Modify Window power button shutdown function fail
3. Support H2OUVE tool bios setup recover
4. Update VR-ROM
5. Retry 3 times when In-Band IPMI command fail
6. Fix MCTP function fail
7. Fix RAS Memory Disabled
8. Turn on PcdH2OUveSupported

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R12 (2025/06/20)

1. Update Turin AGESA 1.0.0.5.
2. Update DDR manufacturer information.
3. CVE-2024-13176.

R11 (2025/05/23)

1. Update BIOS version.

R10 (2025/05/23)

1. Fix backup BIOS flash active BIOS IPMI command.

R09 (2025/04/30)

1. Update BIOS version.

R08 (2025/04/23)

1. Fix win flash tool flash backup BIOS fail.
2. Fine tune load default information for POST.

R07 (2025/03/05)

1. Fine tune PXE boot behavior.

R06 (2025/02/26)

1. Enable cold reset.
2. Fine tune SMBIOS type 39 (This function need BMC 23.08.31 or later version).
3. Fine tune BMC info on POST info.

R05 (2025/02/14)

1. Change DDR max frequency from 6000 to 6400.

R04 (2025/01/25)

1. Update Turin AGESA 1.0.0.3 .
2. Fine tune BMC info on setup.
3. Fine tune warm reset behavior.

R03 (2024/12/30)

1. Update Turin AGESA 1.0.0.2 .

R02 (2024/12/20)

1. Optimize MBID compatibility.
2. Fine tune Pcie for SKU XV23-ZX0-IAJ1-000.
3. Disable POST CODE to Serial Port.
4. Fine tune Secure Boot and OEM PK key.
5. Fine tune SMBIOS Type41.
6. Fine tune ISCSI BDS behavior.
7. Update Genoa AGESA version to 1.0.0.C.
8. Fine tune Setup Power Policy NUMA item.
9. Fine tune Setup Power Policy XGMI item.
10. Default disable Secure Boot.

R01 (2024/11/18)

1. First release.
