

BIOS Release Notes

TITLE

SUBJECT: MZK3-LM0 BIOS Release Notes version R11_F14
System: MZK3-LM0-000,R183-ZK0-LAJ1-000,R183-ZK0-AAL1-000,
R283-ZK0-AAL1-000,R283-ZK0-AAS1-TS0,R283-ZK0-AAS1-TS1,
R283-ZK0-AAS2-TS0,R283-ZK0-IAL1-000

About This Release

Build Date: 2025/03/04
BIOS Checksum: 0x735207CF (32M)
Release Owner: Hex.Jan

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZK3-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	0x0B00211E
Turin Dense A0	Family 1Ah Model 00h-0Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 00h-0Fh	0x0B101028

IPMI support:
AMI Kernel version: 5.35_0ACST_PI1.0.0.3_017
AGESA PI version: TurinPI 1.0.0.3
OPROM version:

OPROM	Version
AST2600	1.13.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZK3-LM0_R11_F14.zip to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

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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. 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

R11

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

R10

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.

R09

- 1.[Feature] Add R283-ZK0-IAL1-000 system support

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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]
 - 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 unresponsive.
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R07

- 1.[Feature] Support Gbt Hyper Performance to sync BIOS quick settings and send IPMI command to BMC.
 - 2.[Feature] Enhance device compatibility.
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R06

- 1.[Feature] Add R283-ZK0-AAS1-TS0 system support
 - 2.[Feature] Add R283-ZK0-AAS2-TS0 system support.
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R05

1. [Fix] Prevent BSOD in the Best Performance mode.
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R04

- 1.[Feature] Update AGESA 1.0.0.2
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R03

- 1.[Feature] Update AGESA 1.0.0.1
 - 2.[Fix]Fix EFI shell mapping table display.
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R02

- 1.Fix BIOS version display for non-boot bios.
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R01

- 1.First release.
 - 2.[Bug] Fix Force Network Boot function error.
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