BIOS Release Notes

TITLE

SUBJECT:	MZK3-LM0 BIOS Release Notes version R22_F21
System:	MZK3-LM0-000,R183-ZK0-LAJ1-000,R183-ZK0-AAL1-000, R283-ZK0-AAL1-000,R283-ZK0-AAS1-TS0,R283-ZK0-AAS2-TS0, R283-ZK0-IAL1-000

About This Release

Build Date: **2026/09/03**
BIOS Checksum: **0x68E1BB12 (32M)**
Release Owner: **Nelson.Lin**

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	0x0B002175
Turin Dense A0	Family 1Ah Model 00h-0Fh	0x0B10000F
Turin Dense B0	Family 1Ah Model 00h-0Fh	0x0B101066

IPMI support:
AMI Kernel version: 5.35_0ACST_PI1.0.0.B_025
AGESA PI version: TurinPI 1.0.0.B
OPROM version:

OPROM	Version
AST2600	1.13.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZK3-LM0_R22_F21.zip to a bootable diskette that use FAT/FAT32 format

BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

BIOS Release Notes

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 <DEL> during POST
2. The bios version shows on the first main page

Known Issues/Workarounds

Issues fixed in this version