BIOS Release Notes

TITLE

SUBJECT:	MZ83-HD1 BIOS Release Notes version R05_F17
System:	MZ83-HD1-000,G363-ZR0-AAX1-000,G363-ZR0-LAX1-000, G363-ZR0-AAX2-000,G363-ZR0-AAX4-000

About This Release

Build Date:	**2025/03/05**
BIOS Checksum:	**0x75119705 (32M)**
Release Owner:	**Hex.Jan**

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZ83-HD1-000
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 MZ83-HD1_R05_F17.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. 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

R05

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

R04

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.

R03

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.

R02

1.[Feature] Update AGESA 1.0.0.2.

2.[Fix] Fix the network configuration switching issue in the BIOS Server Manager setup.

3.[Fix] Fix the issue where having too many installed devices causes the system to hang at the BIOS logo screen.

4.[Security] CVE-2024-0179, CVE-2024-21925, CVE-2024-21944, CVE-2020-10255.

R01

1. First Release.