

BIOS Release Notes

TITLE

SUBJECT: MZ43-G20 BIOS Release Notes version R09_F36
System: MZ43-G20-000,G293-Z40-AAP1-000,G293-Z41-AAP1-000,
G293-Z42-AAP1-000,G293-Z42-IAP1-000,G293-Z43-AAP1-000,
TO15-Z40-AA01-000,TO15-Z40-IA01-000,G294-Z41-AAP2-000,
G294-Z42-AAP1-000,G294-Z42-AAP2-000,G294-Z43-AAP2-000

About This Release

Build Date: 2025/01/25
BIOS Checksum: 0x73006B9D (32M)
Release Owner: Neil.Lu

BIOS Components/Contents

Processor stepping(s) supported: AMD Turin / Genoa Processors
System hardware configurations supported: MZ43-G20-000
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 MZ43-G20_R09_F36.zip to a bootable diskette that use FAT/FAT32 format

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

Known Issues/Workarounds

Issues fixed in this version

R09

1. [Feature] Optimize system compatibility.

R08

1. [Feature] Optimize system compatibility.

R07

- 1.[Fix] Optimize PCIe Resource assign.

R06

- 1.[Feature] Update AGESA 1.0.0.3.
- 2.[Feature] Support DDR speed up to 6400, but it requires manual adjustment in the

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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.

R05

1. [Support] Release turin BIOS for Genoa update.

R04

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. [Feature] Update Invnetory v24.

5. [Feature] Optimize system SKU name for G494-Z4x system.

6. [Feature] Optimize re-driver and NVME hotplug for SKU name change.

7. [Feature] Enhance device compatibility.

R03

1. [Feature] Fixed LAN MAC Disabled fail.(Boadcom57416 lanmac show erro)

R02

1.[Feature] Fixed Post stage infomation.

2.[Feature] Sopport WHLK.

R01

1.[Feature] First Release.

2.[Feature] 1.0.0.0 NDA_Patch3
