

# BIOS Release Notes

## TITLE

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**SUBJECT:** MZ93-FS0 BIOS Release Notes version R06\_F31  
**System:** CDCR114-00,MZ93-FS0-000,R183-Z90-AAD1-000,R183-Z90-AAD2-000,  
R183-Z90-LAD1-000,R183-Z91-AAD1-000,R183-Z91-AAD2-000,  
R183-Z92-AAD1-000,R183-Z92-AAD2-000,R183-Z92-AAD3-000,  
R283-Z90-AAD1-000,R283-Z90-AAD2-000,R283-Z90-AAD3-000,  
R283-Z91-AAD1-000,R283-Z91-AAD2-000,R283-Z92-AAD1-000,  
R283-Z92-AAE1-000,R283-Z92-AAE2-000,R283-Z92-AAE3-000,  
E283-Z90-AAD1-000,R183-Z90-AAV1-000,R183-Z90-AAV2-000,  
R183-Z91-AAV1-000,R183-Z91-AAV2-000,R183-Z92-AAV1-000,  
R183-Z92-AAV2-000,R183-Z92-AAV3-000,R283-Z90-AAV1-000,  
R283-Z90-AAV2-000,R283-Z90-AAV3-000,R283-Z91-AAV1-000,  
R283-Z91-AAV2-000,R283-Z92-AAJ1-000,R283-Z92-AAJ2-000,  
R283-Z92-AAJ3-000,R283-Z92-AAV1-000,E283-Z90-AAV1-000,  
R183-Z92-SW-LS-001,R283-Z90-SW-LS-002,R283-Z91-SW-LS-003,  
R183-Z90-AAE1-000,R283-Z90-AAF1-000,R183-Z90-AAV2-SC0

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### About This Release

**Build Date:** 2025/03/07  
**BIOS Checksum:** 0x70ABA1C5 (32M)  
**Release Owner:** Candy.Wu

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Turin / Genoa Processors  
**System hardware configurations supported:** MZ93-FS0-000  
**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:**

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OPROM	Version
AST2600	1.13.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ93-FS0\_R06\_F31.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

R06

1. [Fix] Fix SATA information abnormal in BIOS Setup Page.

R05

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

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## 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.

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## 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.

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## 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.

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## R01

1. First release.
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