

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ93-FS1 BIOS Release Notes version F12  
**System:** MZ93-FS1-000,R183-Z93-AAD1-000,R183-Z93-AAV1-000,  
R183-Z94-AAD1-000,R183-Z94-AAV1-000,R183-Z94-AAD2-000,  
R183-Z94-AAV2-000,R183-Z95-AAD1-000,R183-Z95-AAV1-000,  
R183-Z96-AAD1-000,R183-Z96-AAV1-000,R283-Z94-AAD1-000,  
R283-Z94-AAV1-000,R283-Z94-AAD2-000,R283-Z94-AAV2-000,  
R283-Z95-AAD1-000,R283-Z95-AAV1-000,R283-Z96-AAE1-000,  
R283-Z96-AAJ1-000,R283-Z96-AAE2-000,R283-Z96-AAJ2-000,  
R283-Z96-AAE3-000,R283-Z96-AAJ3-000,E283-Z91-AAD1-000,  
E283-Z91-AAV1-000

## About This Release

**Build Date:** 2024/05/15  
**BIOS Checksum:** 0xBE9320D4 (32M)  
**Release Owner:** Auto.Build(Ray.Xu)

## BIOS Components/Contents

**Processor stepping(s) supported:** AMD Genoa Processors  
**System hardware configurations supported:** MZ93-FS1-000  
**PCB Version:** 1.x  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Genoa B0	Family 19h Model 10-1Fh	0x0A101020
Genoa B1	Family 19h Model 10-1Fh	0x0A101144
Genoa B2	Family 19h Model 10-1Fh	0x0A101244
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA00213

**IPMI support:**  
**AMI Kernel version:** 5.27\_GenoaCrb\_0ACQT024  
**AGESA PI version:** GenoaPI 1.0.0.B  
**OPROM version:**

OPROM	Version
AST2600	1.13.01
VR	G004

# BIOS Release Notes

## Installation Notes

### IMPORTANT NOTES:

1. Please extract the MZ93-FS1\_F12.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. Execute F.nsh for bios update
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. Enter \Tool\Win32 and execute f.bat for Windows 32bit.  
Or  
Enter \Tool\Win64 and execute f.bat for Windows 64bit.
4. 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

F12

1. Optimize AC Loss feature. (In Redfish function: only support command "PowerRestorePolicy")

F11

1. Enhance PCIe compatibility.

F10

1. Optimize Redfish compatibility.

F09

1. Update GBT Channel Genoa AGESA 1.0.0.B.

## BIOS Release Notes

2. Support Endless Retry PXE feature.
3. Secure update: CVE-2023-31346, CVE-2023-31347, CVE-2023-39538, CVE-2023-39539, CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235.

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### F08

1. Optimize default year 2024.
2. Fixed X710 LAN Mac issue in Legacy mode.

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### F07

1. Fixed yellow bang in windows.
2. Fixed Redfish item fail issue.
3. Enhance Redfish feature.
4. Enhance NVMe hotplug feature.
5. Added Power btn control item.
6. Optimize SMBIOS compatibility.
7. Update Inventory v13.
8. Optimize MCIO\_P0\_P0 PCIe compatibility.

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### F06

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.
4. Update AGESA 1.0.0.9.
5. Fixed system full DIMM reboot issue.
6. Fixed BIOS recovery issue.
7. Update Inventory v11.

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### F05

1. Fixed system reboot when error hold on.
2. Fixed yellow bang in windows.

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### F04

1. Optimize PCIE compatibility.
2. Optimize System compatibility.

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### F03

1. Update AGESA 1.0.0.8.
2. Enable MCTP feature.
3. Modify SATA Mode item default from "AHCI AS ID 0X7904" to "ACHI"

## BIOS Release Notes

4. Remove R283-Z96-AAE4-V10, R283-Z96-AAJ4-V10 system support.
5. Optimize IPMI ECC SEL location.
6. Optimize PCIE compatibility.

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F02

1. Adjusted BMC Watch Dog timer.
2. Optimize Chelsio cards compatibility.

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F01

1. First Release.
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