

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ43-G20 BIOS Release Notes version F21  
**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-AA21-000,  
G294-Z42-AA21-000,G294-Z43-AA21-000

## About This Release

**Build Date:** 2024/05/15  
**BIOS Checksum:** 0xC005B359 (32M)  
**Release Owner:** Auto.Build(Ray.Xu)

## BIOS Components/Contents

**Processor stepping(s) supported:** AMD Genoa Processors  
**System hardware configurations supported:** MZ43-G20-000  
**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	1.12.00

## Installation Notes

### IMPORTANT NOTES:

1. Please extract the MZ43-G20\_F21.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.

## BIOS Release Notes

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

F21

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

F20

1. Enhance PCIe compatibility.
2. Support G294-Z41-AA21-000, G294-Z42-AA21-000 and G294-Z43-AA21-000 system.

F19

1. Optimize Redfish compatibility.

F18

1. Update GBT Channel Genoa AGESA 1.0.0.B.
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.

# BIOS Release Notes

---

## F17

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

---

## F16

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 AGESA 1.0.0.A.

---

## F15

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.

---

## F14

1. Update AGESA 1.0.0.9.
2. Fixe recovery fail.

---

## F13

1. Fine tune NVME hotplug
2. Update redriver for G293-Z42 system.
3. Support new system G293-Z42-IAP1-000
4. Update Inventory Mapping system v17.
5. Modify BIOS item default.

---

## F12

1. Update AGESA 1.0.0.8
2. Modify BIOS item default.
3. Fine tune USB tree for WHQL

---

## F11

1. Optimize Chelsio cards compatibility.

---

## F10

## BIOS Release Notes

1. Fine tune setup item.
2. Fine tune PCIe link speed.

---

### F09

1. Updated AGESA 1.0.0.7.
2. Update Inventory Mapping system.
3. Modify PCIe Option ROM define.
4. Update SMBIOS.
5. Optimize system NVME hotplug behavior

---

### F08

1. Update Inventory Mapping system.
2. Fixed COM Port mouse is not working.
3. Added DIMM Manufacturer ID 0x1A08.
4. Fixed NVME LED control failed.
5. Fixed SATA LED Control failed.
6. Adjust the display order of NVME devices list.

---

### F07

1. Enable TO15-Z40-AA01 and TO15-Z40-IA01 auto bifurcation.
2. Support TO15-Z40-IA01 NVME hotplug.

---

### F06

1. Updated inventory version 10.
2. Re-move SATA re-driver for SAMSUN SATA M.2 couldn't deect and FIO Stress issue.
3. Fixed COM Port mouse couldn't use under Win2022.
4. Fine tune AC loss item options.
5. Updated inventory version 12.

---

### F05

1. Updated AGESA 1.0.0.5.

---

### F04

1. Support BIOS item to control halt on or not when PCIe or Memory error has injected.
2. Fixed show wrong DDR location and information order when memory error is injected.

---

### F03

## BIOS Release Notes

1. Fine tune PCIE WebUI information.

---

F02

1. Fine tune NVME hotplug.
2. Fine tune PCIe slot for mapping table.
2. Fine tune PCIe slot name.

---

F01

1. PVT First Released.
-