

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ23-G20 BIOS Release Notes version F15  
**System:** MZ23-G20-000,G293-Z20-AAP1-000,G293-Z21-AAP1-000,  
G293-Z22-AAP1-000,G293-Z23-AAM1-000,TO15-Z20-IA01-000

### About This Release

**Build Date:** 2024/03/29  
**BIOS Checksum:** 0xC0A5D7C5 (32M)  
**Release Owner:** Auto.Build(Candy.Wu)

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Genoa Processors  
**System hardware configurations supported:** MZ23-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 MZ23-G20\_F15.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

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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

F15

1. Optimize Redfish compatibility.

F14

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.

F13

1. Update Inventoty\_v18.

F12

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

F11

1. Fixed yellow bang in windows.
2. Fixed Redfish item fail issue.

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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.

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### F10

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.
4. Update Inventory version 16.
5. Fixed BIOS Recovery.

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### F09

1. Update Inventory version 15.
2. Modify setup manual SATA information
3. Update Re-driver for G293-Z23 system sku.
4. Modify BIOS item default.
5. Update AGESA 1.0.0.8
6. Modify USB Tree for WHQL

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### F08

1. Support G293-Z23-AAM1 system.
2. Optimize Chelsio cards compatibility.

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### F07

1. Fixed TO15-Z20 system hotplug fail.
2. Support Linux SATA hotplug.
3. Fine tune BMC WDT time
4. Update Inventory version v11.
5. Fine tune item behavior.

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### F06

1. Support TO15-Z20-IA01-000 system.

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### F05

1. Updated AGESA 1.0.0.7.
2. Update Inventory version v10.
3. Optimize system NVMe hotplug behavior.

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F04

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.

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F03

1. Update Inventory version 08.

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F02

1. Updated AGESA 1.0.0.5.

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F01

1. PVT first release.
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