

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ52-G42 BIOS Release Notes version R08\_F00

**System:** MZ52-G42-00,G492-Z52-00

### About This Release

**Build Date:** 2023/08/03

**BIOS Checksum:** 0x9F1CFAB3 (32M)

**Release Owner:** Neil.Lu

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Rome Processors

**System hardware configurations supported:** MZ52-G42-00

**PCB Version:** 1.x

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	0830107A

**IPMI support:**

**AMI Kernel version:** 5.14\_RomeCrb\_0ACMK027

**AGESA PI version:** RomePI 1.0.0.G

**OPROM version:**

OPROM	Version
AST2500	1.09.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ52-G42\_R08\_F00.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.

## BIOS Release Notes

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

1. Windows OS does not support 256 or more logical.  
Windows 2019 can update KB44512534 to support it.

item	OS	Win2019	Win2016
IOMMU		Enable ※	Enable KB4022723
SMT Control		Enable KB4512534	Disable

※When SMT Enabled, IOMMU need to set Enabled too.

SMT Control: AMD Simultaneous Multi-Threading Technology

KB4022723: Support IOMMU on Windows 2016.

KB4512534: Support SMT on Windows 2019.

2. NVIDIA CUDA didn't support IOMMU.

### Issues fixed in this version

R08

1. Fine tune Resource.

R07

1. Update AGESA 1.0.0.G.
2. Update Microcode 0830107A for CVE-2023-20593 issue.

R06

1. Updated AGESA 1.0.0.F.

R05

## BIOS Release Notes

1. Update AGESA 1.0.0.E
  2. Support GPU H100.
- 

### R04

1. Add Milan MMIO solution.
  2. Fine tune onboard LAN PCI speed.
  3. Fine tune SATA map.
- 

### R03

1. Fine tune flash tool for dual BIOS.
  2. Support NVME LED control for system.
  3. Modify BMC major number format in setup menu.
- 

### R02

1. Update AGESA 1.0.0.C.
  2. Fixed afu check second BIOS rom failed.
  3. Fixed Qlogic MAC issue in WebUI.
- 

### R01

1. PVT release.
-