

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ52-G40 BIOS Release Notes version M02\_R17

**System:** G492-Z50-00,G492-Z51-00

### About This Release

**Build Date:** 2021/02/25

**BIOS Checksum:** 0x998C365E (32M)

**Release Owner:** Ian.Liu

### BIOS Components/Contents

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

**System hardware configurations supported:** MZ52-G40

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Milan A0	Family 19h Model 00-0Fh	0A000033
Milan B0	Family 19h Model 00-0Fh	0A001036
Milan B1	Family 19h Model 00-0Fh	0A001119

**IPMI support:**

**AMI Kernel version:** 5.20\_MilanCrb\_0ACOU010

**AGESA PI version:** MilanPI 1.0.0.1

**OPROM version:**

OPROM	Version
AST2500	1.10.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ52-G40\_M02\_R17.zip to a bootable diskette that use FAT/FAT32 format

#### BIOS UPDATE INSTRUCTIONS FOR EFI Shell:

2. Insert USB flash drive to system for BIOS upgrade.
3. Power on system and boot to Build-In Shell.
4. Enter your USB filesystem, like "fs0:" or "fsx:", "x" is your USB filesystem number
5. Execute F.nsh for bios update
6. 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.

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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

1. Windows OS does not support 256 or more logical.  
Windows 2019 can update KB4512534 to support it.

OS item	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

- 1 . Rome CPU please reference RelNotes\_Rome.PDF
- 2 . Milan CPU please reference RelNotes\_Milan.PDF