

BIOS Release Notes

TITLE

SUBJECT: MZ52-G40 BIOS Release Notes version M03_R18d

System: G492-ZD0-00, G492-ZL0-00

About This Release

Build Date: 2021/06/24

BIOS Checksum: 0x96A9CD89 (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	0A001037
Milan B1	Family 19h Model 00-0Fh	0A00111D

IPMI support:

AMI Kernel version: 5.20_MilanCrb_0ACOU011

AGESA PI version: MilanPI 1.0.0.2

OPROM version:

OPROM	Version
AST2500	1.10.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ52-G40_M03_R18d.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 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