

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.

BIOS Release Notes

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.

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

- 1 . Rome CPU please reference RelNotes_Rome.PDF
- 2 . Milan CPU please reference RelNotes_Milan.PDF