

BIOS Release Notes

TITLE

SUBJECT: MZ52-G41 BIOS Release Notes version M05_R03
System: G492-ZD1-00,G492-ZD2-00

About This Release

Build Date: 2021/11/08
BIOS Checksum: 0x92B405DE(32M)
Release Owner: Ben.Lee

BIOS Components/Contents

Processor stepping(s) supported: AMD EPYC Milan/Rome Processors
System hardware configurations supported: MZ52-G41-00
Microcode updates versions:

| CPUID | Family | Microcode Update ID |
|----------|-------------------------|---------------------|
| Milan A0 | Family 19h Model 00-0Fh | 0A000033 |
| Milan B0 | Family 19h Model 00-0Fh | 0A00104C |
| Milan B1 | Family 19h Model 00-0Fh | 0A001143 |
| Milan B2 | Family 19h Model 00-0Fh | 0A001223 |

IPMI support:
AMI Kernel version: 5.22_MilanCrb_0ACOU016
AGESA PI version: MilanPI 1.0.0.6
OPROM version:

| OPROM | Version |
|---------|---------|
| AST2500 | 1.10.00 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ52-G41_M05_R03.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:

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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 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 KB4490481 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

M05

1. Updated AGESA Milan 1.0.0.6.
2. Update microcode.
3. Set BIOS setup [Power Quick Setting] default to [Standard] mode
4. Fixed system NVMe hot-plug was reboot.
5. Modify BMC major number format in setup menu.
6. Fine tune MMIO resource.

M04

1. Updated AGESA Milan 1.0.0.3.
2. Modify BIOS setup default item.

BIOS Release Notes

M03

1. Set onboard LAN i350 link speed keep gen1.
2. Updated AGESA Milan 1.0.0.2.

M02

1. Base on MZ42-G21 MT02.
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