

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ52-G41 BIOS Release Notes version R01

**System:** G482-Z54-00

### About This Release

**Build Date:** 2020/12/02

**BIOS Checksum:** 0xA81029BF (32M)

**Release Owner:** Ian.Liu

### BIOS Components/Contents

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

**System hardware configurations supported:** MZ52-G41,

**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	08301038

**IPMI support:**

**AMI Kernel version:** 5.14\_RomeCrb\_0ACMK017

**AGESA PI version:** RomePI 1.0.0.8

**OPROM version :**

OPROM	Version
AST2500	1.09.00

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ52-G41\_R01.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.
3. Enter \Tool\Win32 and execute f.bat for Windows 32bit.

Or

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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.

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

R01

1. Release PVT BIOS.
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D10

1. Fix Legacy PXE boot fail.
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D09

1. Fine tune GBT SVID function.
  2. Fine tune SATA information.
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D08

1. Fine tune SATA information for BMC to avoid hang code.
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D07

1. Fine tune P1\_P3 PCIe present pin.
  2. Fine tune USB2 register value for USB2 eye diagram.
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D06

1. Updated Redfish feature.
  2. Security update for CVE-2020-10255 and CVE-2020-10713.
  3. Fixed after clean CMOS system hang issue
  4. Fine tune AC loss function.
  5. Fine tune setup item.
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D05

1. Set G482-Z54 NVME hotplug.
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D04

1. Fine tune PCIe set to fix some SKU hang code.
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D03

1. Update kernel RomePI 1.0.0.8.
  2. Fine tune AC loss function.
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D02

1. Keep Gen1 on aspeed VGA device to fix PCIe training fail.
  2. Fine tune SATA setting to fix SATA port cannot work.
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D01

1. G482-Z54 first DVT BIOS.
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