

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

BIOS Release Notes

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

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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BIOS Release Notes

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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