

BIOS Release Notes

TITLE

SUBJECT: MZ52-G41 BIOS Release Notes version R13_F00
System: MZ52-G41-00,G482-Z54-00,G482-Z55-00,G482-001-QZ

About This Release

Build Date: 2024/07/11
BIOS Checksum: 0x9D376D4C (32M)
Release Owner: Auto.Build(Ray.Xu)

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome Processors
System hardware configurations supported: MZ52-G41-00
PCB Version: 1.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	0830107B

IPMI support:
AMI Kernel version: 5.14_RomeCrb_0ACMK029
AGESA PI version: RomePI 1.0.0.H
OPROM version:

OPROM	Version
AST2500	1.09.0

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ52-G41_R13_F00.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.

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3. Enter \Tool\afuwin32 and execute f.bat for Windows 32bit.
Or
Enter \Tool\afuwin64 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 KB44512534 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

R13

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.

R12

1. Enhance Endless Retry PXE feature.

R11

1. Update AGESA 1.0.0.H.
2. Security update: CVE-2023-39538, CVE-2023-39539, CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235.

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R10

1. Update AGESA 1.0.0.G.
 2. Update Microcode 0830107A for CVE-2023-20593 issue.
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R09

1. Updated AGESA 1.0.0.F.
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R08

1. Fine tune onboard LAN PCI speed.
 2. Update AGESA 1.0.0.D.
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R07

1. Fine tune flash tool for dual BIOS.
 2. Support NVME LED control for system.
 3. Modify BMC major number format in setup menu.
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R06

1. Update AGESA 1.0.0.C.
 2. Fixed afu check second BIOS rom failed.
 3. Fixed Qlogic MAC issue in WebUI.
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R05

1. Update AGESA 1.0.0.A.
 2. Fix PCIe PERR error by incorrect PCIe setting.
 3. Fix PCIe P1_G1 some information cannot show on WebUI.
 4. Set onboard LAN i350 link speed keep gen1.
 5. Update SATA redriver.
 6. Fine tune TCG function.
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R04

1. Fine tune redriver function.
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R03

1. Update kernel RomePI 1.0.0.9.
2. Support SKU G482-001-QZ.
3. Fine tune NMI function.
4. Fine tune redriver function.
5. Fine tune IRROM function for v0.1 and v1.0 platform.

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6. Update IRROM.

R02

1. Add new SKU G482-Z55-00.
2. Fine tune USB redriver.

R01

1. Release PVT BIOS.
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