

BIOS Release Notes

TITLE

SUBJECT: MZ52-G40 BIOS Release Notes version R05_F00k

System: G482-Z51-00,G492-Z50-00,G482-Z52-00

About This Release

Build Date: 2019/11/28

BIOS Checksum: 0xAA3328BD (32M)

Release Owner: Ian.Liu

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome Processors

System hardware configurations supported: MZ52-G40,

Microcode updates versions:

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	08301025

IPMI support:

AMI Kernel version: 5.14_RomeCrb_0ACMK012

AGESA PI version: RomePI 1.0.0.4

OPROM version :

OPROM	Version
AST2500	1.09.0

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ52-G40_R05_F00k.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, please reboot system

BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\WIN\Win32\fb.bat or \Tool\Win64\fb.bat for bios update

BIOS Release Notes

4. After bios flash finish, please reboot system

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 KB4490481	Disable

※When SMT Enabled, IOMMU need to set Enabled too.

SMT Control: AMD Simultaneous Multi-Threading Technology

KB4022723: Support IOMMU on Windows 2016.

KB4490481: Support SMT on Windows 2019.

Issues fixed in this version

R05

1. Fixed NVIDIA and AMD GPU card driver BSOD issue.
2. Fine tune ASMedia usb.
3. Fine tune IO resource table.
4. Add G482-Z52-00 sku.

R04

1. Update AGESA 1.0.0.4
2. Adjusted Setup Menu default.

R02

1. Fine tune PCIe link speed behavior.
2. Add GIGABYTE Quick Setting.
3. Update PCIe Re-driver.

R01

1. PVT release.