

BIOS Release Notes

TITLE

SUBJECT: MZ52-G42 BIOS Release Notes version R12_F00
System: MZ52-G42-00,G492-Z52-00

About This Release

Build Date: 2024/08/02
BIOS Checksum: 0x9F3361AC (32M)
Release Owner: Auto.Build(Candy.Wu)

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome Processors
System hardware configurations supported: MZ52-G42-00
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	1.09.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ52-G42_R12_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

R12

1. [Security Update] PKfail issue.
2. [Feature] Optimize BcpPro tool compatibility.

R11

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

R10

1. Enhance Endless Retry PXE feature.

R09

1. Update AGESA 1.0.0.H.

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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.

R08

1. Fine tune Resource.

R07

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

R06

1. Updated AGESA 1.0.0.F.

R05

1. Update AGESA 1.0.0.E
2. Support GPU H100.

R04

1. Add Milan MMIO solution.
2. Fine tune onboard LAN PCI speed.
3. Fine tune SATA map.

R03

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

R02

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

R01

1. PVT release.
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