

BIOS Release Notes

TITLE

SUBJECT: MZ72-HB0 BIOS Release Notes version R22_F00a
System: MZ72-HB0-00,W791-Z00-00

About This Release

Build Date: 2024/09/27
BIOS Checksum: 0x9B0D2422 (32M)
Release Owner: Auto.Build(Nelson.Lin)

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome Processors
System hardware configurations supported: MZ72-HB0-00
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 | 0830107C |

IPMI support:
AMI Kernel version: 5.14_RomeCrb_0ACMK032
AGESA PI version: RomePI 1.0.0.J
OPROM version:

| OPROM | Version |
|---------|---------|
| AST2500 | 1.09.0 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ72-HB0_R22_F00a.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.

| OS item | 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

R22

1. [Feature] Update AGESA 1.0.0.J.
2. [Feature] Remove unsupport redfish items:
IPv6 BMC Lan Option (IPMI601)
IPv6 BMC Lan IP Address Source (IPMI602)
Secure Boot (SECB001)
Secure Boot Mode (SECB002)
Factory Key Provision (SECB008)
Option ROM (SECB004)
Removable Media (SECB005)
Fixed Media (SECB006)
3. [Security Update] CVE-2023-2650, CVE-2023-3817, CVE-2023-5678, CVE-2023-31315.

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R21

1. [Security Update] PKfail issue.
 2. [Feature] Optimize BcpPro tool compatibility.
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R20

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.
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R19

1. Enhance Endless Retry PXE feature.
-

R18

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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R17

1. Update AGESA 1.0.0.G.
 2. Update Microcode 0830107A for CVE-2023-20593 issue.
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R16

1. Updated AGESA 1.0.0.F.
 2. Optimize PCIE capatibility.
-

R15

1. Update AGESA 1.0.0.E.
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R14

1. Update AGESA 1.0.0.D.
 2. Support ROT 1712.
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R13

1. Add PCI device for Legacy mode.
 2. Fine tune SATA re-driver.(2022/01/10)
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R12

1. Fine tune flash tool for dual BIOS.

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2. Support NVME LED control for system.
3. Modify BMC major number format in setup menu.

R11

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

R10

1. Added Redfish - System Inventory.
2. Fixed non-persistent boot issue.
3. Added Setup Flash.
4. Update SMBIOS Type130/131.

R09

1. Modify SLSAS option name.

R08

1. Update kernal 0ACMK019.
2. Adjust SPI clock.

R07

1. Update AGESA 1.0.0.9.
2. Fine tune SMBIOS PCI device info.

R06

1. Fixed when PCIE error occurs, there is no pause and warning message on the POST screen.
2. Fixed WHQL SMBIOS/USB issue.
3. Fixed RTC fail issue.
4. Fixed NVME Timeout when keep hold Ctrl + Alt + Del.
5. Fixed SATA display abnormal in the middle port.
6. Fine Tune BIOS item Default string.

R05

1. Updated AGESA 1.0.0.8.
2. Updated Redfish feature.
3. Fixed after clean CMOS system hang issue.
4. Fixed full VGA device Legacy hang issue.

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R04

1. Fixed KVM keyboard not work issues.

R03

1. Fine tune SATA setting

R02

1. Fixed BMC IP setting static IP hang issue.
2. Fixed OS boot long time issue.

R01

1. Base on MZ72-HB0 D11.
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