

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ72-HB0 BIOS Release Notes version R19\_F00a  
**System:** MZ72-HB0-00,W791-Z00-00

### About This Release

**Build Date:** 2024/05/29  
**BIOS Checksum:** 0x9B1498D1 (32M)  
**Release Owner:** Auto.Build(Justin.Wu)

### 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	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 MZ72-HB0\_R19\_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.

## BIOS Release Notes

3. Enter \Tool\Win32 and execute f.bat for Windows 32bit.  
Or  
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 <DEL> 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

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.

R17

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

## BIOS Release Notes

---

R16

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

---

R15

1. Update AGESA 1.0.0.E.

---

R14

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

---

R13

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

---

R12

1. Fine tune flash tool for dual BIOS.
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.

# BIOS Release Notes

---

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.

---

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.
-