

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ71-CE0 BIOS Release Notes version [R05](#)  
**System:** MZ71-CE0-00, MZ71-CE1-00

### About This Release

**Build Date:** [2021/07/29](#)  
**BIOS Checksum:** [0xCBB3F1E3](#) (16M)  
**Release Owner:** Kyle.Huang

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD Rome processors  
**System hardware configurations supported:** MZ71-CE0, MZ71-CE1  
**Microcode updates versions:**

**IPMI support:**  
**AGESA PI version:** [RomePI 1.0.0.A](#)  
**OPROM version :**

OPROM	Version
AST2500 VGA	1.09

### Installation Notes

#### IMPORTANT NOTES:

- Please extract the zip file 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.
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:

## BIOS Release Notes

1. Power on system and press <DEL> during POST
2. The bios version shows on the first main page

### BIOS UPDATE INSTRUCTIONS FOR Web UI:

1. Connect BMC\_IP by Internet browser.
2. Click Web-UI sub-page button "Update".
3. Select Firmware Type to ROM.
4. Use Command Shell.
5. cd to /RBU.
6. Select File Path to image.RBU.
7. Click Upload.

### BIOS UPDATE INSTRUCTIONS FOR GbtUtility:

1. Please copy the BIOS\_ZIP file to GbtUtility folder.
2. Use Command Shell.
3. cd to GbtUtility folder.
4. Execute "java -jar GbtUtility.jar -H BMC\_IP update bios BIOS\_ZIP 1".

## Known Issues/Workarounds

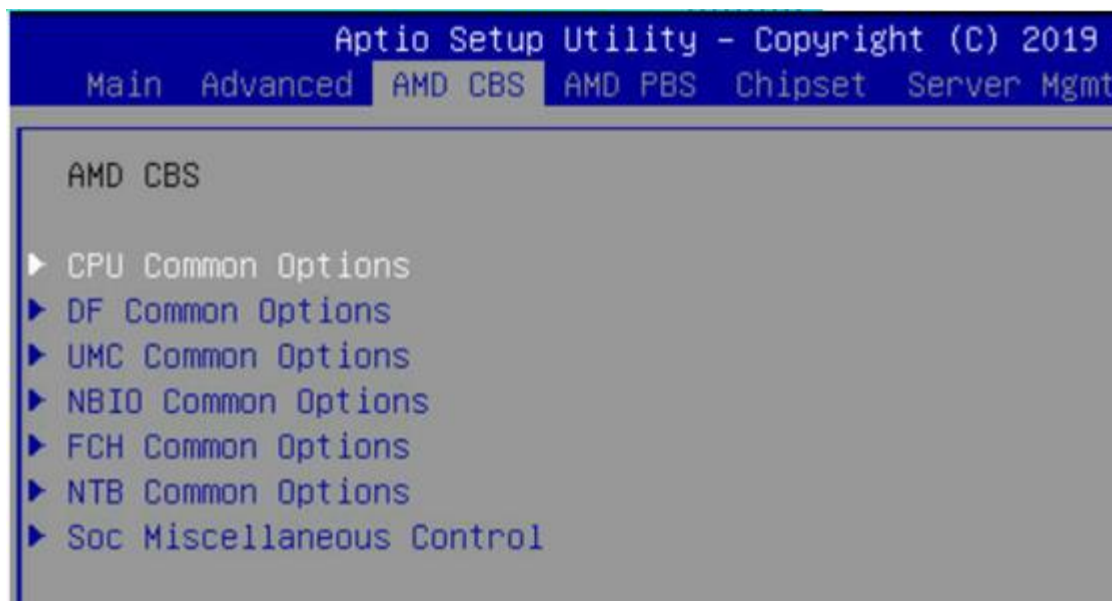
1. Windows 2016 need install KB4022723 first, then enable BIOS setup item "IOMMU"  
Nvidia VGA CUDA not support IOMMU on Linux.
2. Windows OS does not support 256 or more logical. ( Need apply below update )  
2-1 . Windows 2019 can update KB4512534 to support 256 core SMT mode.  
2-2 . Set BIOS setup item "SMT Mode" to "Auto"
3. If your side use 64 core CPU x2.  
3-1. Linux kernel need 4.19 or later version and apply AMD X2APIC patch.  
( AMD X2APIC patch Implement OS version by OS vendor define )  
3-2. Windows 2019 need install KB4512534 for Support SMT.

### PS.

BIOS setup item "SMT Mode" meant ( Simultaneous Multi-Threading ) Technology.

BIOS setup item "SMT Mode" Location as below :

## BIOS Release Notes



AMD CBS ( on BIOS Setup page bar)

▶ CPU Common Options

▶ Performance

▶ CCD/Core/Thread Enablement

▶ Accept

SMT Control: Disable / Auto

### Issues fixed in this version

R05

1. Update AGESA 1.0.0.A.
2. Added Redfish - System Inventory.
3. Fixed non-persistent boot issue.
4. Added Setup Flash.
5. Update SMBIOS Type130/131.

R04 (2021/04/27)

1. Synchronize BIOS settings to BMC while doing remote setup on Power Policy Quick Settings.
2. Add support virtual USB when USB boot option disable in Legacy mode.
3. Add MCX-354A-FCBT MAC detection.
4. Add support Qlogic QL45611HLCU MAC address issue in Legacy mode.
5. Update some characters on remote setup.

R03 (2020/12/18)

1. Fix for 3200MT/s LRDIMM with Renesas\IDT Rev D1 data buffer issue - AGESA update.
2. Adjust SPI speed to 16MHz.

## BIOS Release Notes

R02 (2020/12/03)

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

R01 (2020/10/29)

1. First release.