

# BIOS Release Notes

## TITLE

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**SUBJECT:** MZ32-AR0 BIOS Release Notes version R14\_F02  
**System:** R152-Z30-00, R152-Z31-00, R152-Z32-00, R272-Z30-00, R272-Z31-00,  
R272-Z32-00, W282-001-JN, R272-Z33-FL, S452-Z30-00

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### About This Release

**Build Date:** 2020/02/25  
**BIOS Checksum:** 0x1AAF04B97 (32M)  
**Release Owner:** Hex.Jan

### BIOS Components/Contents

**Processor stepping(s) supported:** AMD EPYC Rome Processors  
**System hardware configurations supported:** MZ32-AR0,MZ32-AR1  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	08301034

**IPMI support:**  
**AMI Kernel version:** 5.14\_RomeCrb\_0ACMK014  
**AGESA PI version:** RomePI 1.0.0.6  
**OPROM version :**

OPROM	Version
AST2500	1.09.0

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ32-AR0\_R14\_F02.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.

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2. Use Command Shell
3. Execute \Tool\WIN\Win32f.bat or \Tool\Win64f.bat for bios update
4. After bios flash finish, please reboot system

## 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 KB4512534 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. WS2019 Hyper-V support: Add Microsoft patch KB4512534.

## Issues fixed in this version

### R14

1. Fixed hot plug function failed.
2. Support MZ32-AR1.

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### R13

1. Update AGESA PI to 1.0.0.6.
2. Added Erp Lot 9 Item.
3. Fixed SVID issue.
4. Fixed IPMI command change boot order fail issue.
5. Fixed Shell screen re-flash issue

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### R12

1. Update AGESA PI to 1.0.0.5.
2. Fixed NVDIMM had exclamation mark in Windows.
3. Fixed X540, X550 legacy PXE boot failed.
4. Added PCIE slot link speed control items.
5. Adjusted boot option label.
6. Runtime disable turbo boost.

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### R11

1. Added R272-Z33-FL system support.

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2. Adjusted SMBIOS Type 10.
  3. Fixed NVDIMM hang at POST screen
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### R10

1. Fixed NVIDIA and AMD GPU card driver BSOD issue.
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### R09

1. Update AGESA 1.0.0.4.
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### R08

1. Fixed OCP auto detect failed.
  2. Fixed PXE legacy boot failed issue.
  3. Update AGESA 1.0.0.3
  4. Added R272-Z33 system support
  5. Fixed OCP detect issue.
  6. Adjusted Setup Menu default.
  7. Added S452-Z30 system support.
  8. Added Dimm information.
  9. Fixed BMC got wrong PCIe PERR SEL log.
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### R07

1. Fixed Intel lan card compatibility issue.
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### R07c

1. Modify SMBIOS type131 data for Windows 2019 server HLK fail.
  2. Default disable “HD Audio” for Windows 2019 server HLK fail
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### R07b

1. Fixed riser porting failed issue.
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### R07a

1. Modify USB device tree.
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### R06

1. Update AGESA 1.0.0.2
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### R05

1. Fixed system hang at low temperature.
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### R05a

1. Update AGESA 1.0.0.1
  2. Modify memory size format.
  3. Adjusted FCLK.
  4. Fixed Customer System SKU lost.
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## R04

1. Modify the BMC version display format.
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## R03

1. Adjusted memory size.
  2. Adjusted recovery file name.
  3. Adjusted BIOS setup password case policy.
  4. Fixed system hang 0xA50E.
  5. Adjusted SMBIOS size to fix legacy boot issue.
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## R03b

1. Add wait BMC item.
  2. Adjust PPL.
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## R03a

1. Added SMBIOS 2.x Support.
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## R02

1. Fix the BMC about ECC display (Channel, DIMM).
  2. Display the CECC or UECC on post report.
  3. Fix 32MB hang 0x00d1.
  4. Skip memory SMI error, when SMT control set disabled.
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## R02a

1. Update AGESA 1.0.0.0.
  2. Add SKU list.
  3. Adjust PCIe slot7 policy.
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## R01

1. Release PVT version.
  2. Fix BMC IPv6 address cannot show on setup.
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