

BIOS Release Notes

TITLE

SUBJECT: MZ32-AR0 BIOS Release Notes version R19_F02
System: R152-Z30-00,R152-Z31-00,R152-Z32-00,R152-Z33-00,R272-Z30-00,
R272-Z31-00,R272-Z32-00,R272-Z34-00,W282-001-JN,R272-Z33-FL,
S452-Z30-00

About This Release

Build Date: 2020/06/17
BIOS Checksum: 0xAA50AF23(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	08301038

IPMI support:
AMI Kernel version: 5.14_RomeCrb_0ACMK016
AGESA PI version: RomePI 1.0.0.7
OPROM version:

OPROM	Version
AST2500	1.09.0

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ32-AR0_R19_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, system must Power-Off to have the changes take effect.

BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.

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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:

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	Win2019	Win2016
item		
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

- 1 . Naples CPU please reference RelNotes_Naples.PDF
- 2 . Rome CPU please reference RelNotes_Rome.PDF