

BIOS Release Notes

TITLE

SUBJECT: MZ31-AR0 BIOS Release Notes version [F09](#)
System: [R151-Z30-00](#), [R271-Z31-00](#), [G221-Z30](#)

About This Release

Build Date: [2018/09/13](#)
BIOS Checksum: [0xDF3F1608](#) (16M)
Release Owner: Leon.Lee

BIOS Components/Contents

Processor stepping(s) supported: AMD Naples processors
System hardware configurations supported: MZ31-AR0
Microcode updates versions:

| CPUID | Family | Microcode Update ID |
|------------------------|--------------------------------|---------------------|
| Naples | AmiCpuPkg | 13 |
| Naples | NaplesSoCPkg | 16 |
| Naples | AgesaModulePkg | 25 |
| Naples | AgesaPkg | 18 |
| Naples | AmdCbsPkg | 16 |
| Naples | AmdCpmPkg | 15 |

IPMI support:
AMI Kernel version: [5.013_NaplesCrb_0ACIJ015](#)
AGESA PI version: [NaplesPI 1.0.0.6](#)
OPROM version :

| OPROM | Version |
|-------------|---------|
| AST2500 VGA | 1.03.05 |

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ31-AR0_[F09](#).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

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BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\f.bat or \Tool\Win64\f.bat for bios update
4. After bios flash finish, please reboot system

BIOS UPDATE INSTRUCTIONS FOR LINUX:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\LNx\afulnx32\f.sh or \Tool\LNx\afulnx64\f.sh for bios update
4. After bios flash finish, please reboot system

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

Issues fixed in this version

F09b

- 1.release formal version and modify MMIO_64BIT_LIMIT.

F09b

- 1.improve display.

F09a

- 1.Modify bandwidth of slot 6.

F08

- 1.Update SMBIOS for BMC WebUI

F08b

- 1.Add XenServer EFI loader

F08a

- 1.Modify above 4G decoding setting default to disable for some Video card

F07

- 1.Change to formal version and fix 2.5" SED SSD stop issue

F07b

- 1.Update to AGESA 1.0.0.6 for test purpose

F06

- 1.Fix CentOS boot issue under UEFI mode

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2.revise solution for G221-Z30

F05

- 1.Add solution for G221-Z30 GPU server
 - 2.Correct LAN string under BMC WebUI
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F04

- 1.Update AGESA to 1.0.0.5
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F04b

- 1.Fix 64GB Rdim display incorrect
 - 2.Fix ECC trigger only log DIMM A0
-

F04a

- 1.Fix NMI not BSOD issue
 - 2.Fix HwInfoLib incorrect issue
-

F03

- 1.Update solution for die1 XHCI controller
 - 2.Add patch solution for Qlogic G2 mode
 - 3.Update AGESA 1.0.0.1 patch binary
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F03d

- 1.remove some option for Enforce POR
 - 2.Correct behavior of chipset page
 - 3.Add solution for offboard SATA controller
-

F03c

- 1.Improve NMI if non-OS
 - 2.Add NX mode option
 - 3.Modify CMOS policy for factory tool
-

F03b

- 1.Setup menu update
 - 2.Add patch for BMC 0x0F WA
 - 3.Set AC back default to previous
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F03a

- 1.Add AMD SGPIO WA
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F02

- 1.NTFS file system as current channel
 - 2.Disable SGPIO
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F02n

- 1.update TSSataLib for SGPIO incorrect

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- 2.SATA power modify
 - 3.Improve SATA HotPlug
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F02m

- 1.Set print screen key to F5
 - 2.Add enforce POR feature
 - 3.Enable SGPIO
 - 4.Setup menu modification for channel
 - 5.Fine tune USB export for WHLK
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F02l

- 1.Disable SGPIO, due to BP under develop
 - 2.Add SATA hot plug port
 - 3.Fix USB 2.0 incorrect icon
 - 4.Fix MB rework, but MB ID incorrect
 - 5.Update clear CMOS jumper not display message
 - 6.Console redirection enable 100x31
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F02k

- 1.Update AGESA to 1.0.0.1
 - 2.Add SATA hot plug feature
 - 3.Fix VMware ESXi 6.5 install issue
 - 4.Fix CPU L3 cache incorrect on setup menu
 - 5.Fix clear CMOS jumper not display message
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F02j

- 1.Disabled FixBootOrder function for hang 0x0d.
 - 2.Fixed HWLib hang 0x0d when warm reboot.
 - 3.Disabled PCIe SATA controller module for hang 0xA2 0x0E 0x0C.
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F02i

1. Fix LAN MAC incorrect
 2. improve stop code issue
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F02h

1. Improve stop 0xd, 0xc, 0x0e
 2. Sync TSE source solution
 3. Fix duplicate boot device if disk removed
 4. Add BMC IPv6 setup page
 5. Add GbtSystemBootEvent_SUPPORT
 6. remove GbtOpromScan_SUPPORT
 7. adjust kernel module sequence
 8. Add RTCWakeup solution
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F02g

1. Enabled SGPIO.

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2. Added onboard lan controller.
 3. Added memory ECC control item in AMD CBS.
 4. Fixed HWLib for web site show wrong storage information.
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F02f

1. Update for WHLK USB export test
 2. Add FixBootOrder for channel spec
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F02e

1. Implement USB redriver
 2. Implement SATA redriver and CPU strength
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F02d

1. add channel VLAN support
 2. update send LAN MAC to BMC function
 3. USB port mapping modify
 4. SATA re-driver value update follow SQA suggestion
 5. add AMD early train define
 6. date description update to 2017
 7. improve DOS reboot stop 0xAE issue
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F02c

1. fix hang up issue in channel library
 2. BMC webUI sync
 3. set IOMMU default to disable
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F02b

1. patch random hang up 0x0d issue
 2. Add F12 HotKey for net boot.
 3. CMOS modify for load default tool
 4. Set CSM default to disable for channel spec
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F02a

1. Update AGESA 1.0.0.0
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F01

1. First release.