

# BIOS Release Notes

## TITLE

**SUBJECT:** MZ31-AR0 BIOS Release Notes version [F02](#)  
**System:** [R151-Z30-00](#), [R271-Z31-00](#),

### About This Release

**Build Date:** [2017/08/21](#)  
**BIOS Checksum:** [0xDFDD7825](#) (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
<a href="#">Naples</a>	<a href="#">NaplesCpuPkg</a>	<a href="#">09</a>
<a href="#">Naples</a>	<a href="#">NaplesSoCPkg</a>	<a href="#">12</a>
<a href="#">Naples</a>	<a href="#">AgesaModulePkgPackage</a>	<a href="#">17</a>
<a href="#">Naples</a>	<a href="#">AgesaPkg</a>	<a href="#">13</a>
<a href="#">Naples</a>	<a href="#">AmdCbsPkg</a>	<a href="#">11</a>

**IPMI support:**  
**AMI Kernel version:** [5.013\\_NaplesCrb\\_0ACIJ010](#)  
**AGESA PI version:** [NaplesPI 1.0.0.1](#)  
**OPROM version :**

OPROM	Version
AST2500 VGA	1.03.05

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MZ31-AR0\_[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

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## BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\uf.bat or \Tool\Win64\uf.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\uf.sh or \Tool\LNx\afulnx64\uf.sh 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

## Issues fixed in this version

F02

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

F02n

- 1.update TSSataLib for SGPIO incorrect
- 2.SATA power modify
- 3.Improve SATA HotPlug

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

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

F02k

- 1.Update AGESA to 1.0.0.1

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- 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.
  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

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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.