

BIOS Release Notes

TITLE

SUBJECT: MZ91-FS0 BIOS Release Notes version [F23a](#)
System: [MZ91-FS0-00](#), [R181-004-AE](#), [R181-Z90-00](#), [R181-Z91-00](#), [R181-Z92-00](#),
[R181-Z93-FK](#), [R281-001-00](#), [R281-002-00](#), [R281-Z90-00](#), [R281-Z91-00](#),
[R281-Z92-00](#), [R281-Z93-ES-Cray-001](#), [R281-Z94-00](#), [R281-Z94-SW-SM-001](#)

About This Release

Build Date: [2020/08/14](#)
BIOS Checksum: [0xD6DE6B21](#) (16M)
Release Owner: Terry.Chuang

BIOS Components/Contents

Processor stepping(s) supported: AMD Naples processors
System hardware configurations supported: MZ91-FS0
Microcode updates versions:

CPUID	Family	Microcode Update ID
Naples	NaplesSoCPkg	17

IPMI support:
AGESA PI version: [NaplesPI 1.0.0.B](#)
OPROM version :

OPROM	Version
AST2500 VGA	1.09

Installation Notes

IMPORTANT NOTES:

1. 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, please reboot system

BIOS UPDATE INSTRUCTIONS FOR Windows:

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

BIOS Release Notes

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

F23a (2020/08/14)

1. Update secure boot to resolve security issues (CVE-2020-10713).

F22 (2020/07/01)

1. Fix F22a BIOS with R281-Z92 SKU make POST error.

F22a (2020/05/21)

1. Add SLSAS_2/3/4/5 to SATA

F21 (2020/03/03)

1. Add BIOS setup item "ERP mode"
(Need BMC support , Please check BMC version from Web-site)

F20

1. Fixed "BMC IPv6 will not display under BIOS." (mantis 39134)
2. Fixed "SUT only have one boot OS, but BIOS display two boot item." (mantis 39144)

F19

1. Fix System only have one com port, BIOS have two com port control item.
2. Fix BMC vlan function not workable under BIOS.
3. Adjust AC loss behavior. (BIOS load default will be synchronized to BMC)

F18

1. Update TCG module
2. Disable this feature if the BMC does not support Redfish

F17

1. Support for future BMC versions of Redfish and Remote Setup.
2. Fix Windows HLK TPM 2.0 preboot interface test failed.
3. Fix press Shift will remove text in Shell issue.

F16

1. Update AGESA NaplesPI version to 1.0.0.B
2. Fixed "Disable LAN controller, BIOS still can see LAN I/O ROM item." (mantis 39100)
3. Fixed "Can't identify which PXE for LAN1 or LAN2." (mantis 39154)
4. Fixed "SUT only have one boot OS, but BIOS display two boot item." (mantis 39144)

F15

BIOS Release Notes

1. Increase PCIe IO resource
2. For the R281-Z94, set the AC loss to "power off" by default (mantis 37269)
3. Adjust the hard disk size format displayed by POST and BIOS settings (mantis 37269)

F14

1. Add PCIe resource for GPU
2. Update AST2500 VBIOS to v1.09
3. Fix issue of plugging GPGPU boot crash in legacy mode (mantis 37153)

F13

1. Support BMC VLAN ID setting on BIOS SETUP "Server Management" > "BMC Network Configuration" page
2. Increase boot log when "COM1 / Serial Over Lan" is set to enabled (SOL terminal size needs to be set to 100x31 for the BIOS Setup menu to display correctly.)
3. Added R281-Z94 Sku

F12

1. Skip NVIDIA card type-C device to avoid platform hang code.
2. Fix R281-Z91 setup item "PCIe AER" enable will hang when installing window 2019 (mantis 36473).
3. Add POST warning when DIMM error occurs
4. Add NVIDIA RTX 2080 patch

F11

1. Set item "Terminal Type" default.(set VT100+)
2. Fine tune setup Chipset page.
3. Fix BMC IP show abnormal string on POST.
4. Fine tune COM port item name on setup.
5. Add redhat efi road.
6. Add new behavior.(When set legacy mode, show onboard VGA item.)
7. WebUI show storage info about NVMe (mantis id 31869)
8. WebUI show PCIe device info (mantis id 29454)
9. Fix IPMI chassis bootdev command pxe function fail (mantis id 35347)
10. Fix SVID of USB controller present in some SoC models is incorrect. (mantis id 36448)
11. Fix POST hang Mellanox ConnexX-6 card

F11a

1. Support V-Color DIMM.