

BIOS Release Notes

TITLE

SUBJECT: MZ92-FS0 BIOS Release Notes version M05_R20
System: R182-Z91-00,R182-Z92-00,R182-Z90-00,R282-Z90-00,R282-Z91-00,
R282-Z92-00,R182-Z93-00,R282-Z94-00

About This Release

Build Date: 2021/06/02
BIOS Checksum: 0x986C8A70(32M)
Release Owner: Hex.Jan

BIOS Components/Contents

Processor stepping(s) supported: AMD Milan Processors
System hardware configurations supported: MZ92-FS0,MZ92-FS1
Microcode updates versions:

CPUID	Family	Microcode Update ID
Milan A0	Family 19h Model 00-0Fh	0A000033
Milan B0	Family 19h Model 00-0Fh	0A00103F
Milan B1	Family 19h Model 00-0Fh	0A00111D

IPMI support:
AMI Kernel version: 5.22_MilanCrb_0ACOU011
AGESA PI version: MilanPI 1.0.0.2
OPROM version:

OPROM	Version
AST2500	1.10.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ92-FS0_M05_R20.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 item	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. NVIDIA CUDA didn't support IOMMU.

Issues fixed in this version

- 1 . Rome CPU please reference RelNotes_Rome.PDF
- 2 . Mian CPU please reference RelNotes_Milan.PDF