

BIOS Release Notes

TITLE

SUBJECT: MZ62-HD0 BIOS Release Notes version R20_F01c
System: H262-Z60-00,H262-Z61-00,H262-Z62-00,H262-Z63-00,H262-Z63-Q8,
H262-Z66-00,H262-Z6C-NJ2

About This Release

Build Date: 2021/07/09
BIOS Checksum: 0xA8E0E752(32M)
Release Owner: Hex.Jan

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome Processors
System hardware configurations supported: MZ62-HD0
Microcode updates versions:

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	0830104D

IPMI support:
AMI Kernel version: 5.14_RomeCrb_0ACMK020
AGESA PI version: RomePI 1.0.0.A
OPROM version:

OPROM	Version
AST2500	1.09.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ62-HD0_R20_F01c.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.
2. Use Command Shell.

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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.

item	OS	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

R20

1. Added Redfish - System Inventory.
2. Fixed non-persistent boot issue.
3. Added Setup Flash.
4. Update SMBIOS Type130/131.

R19

1. Update AGESA 1.0.0.A.
2. Added H262-Z6C-NJ2
3. Updated ISL FW v0003.

R18

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1. Update AGESA 1.0.0.9
2. Added ISL FW v0003.
3. Modify ISL power address.
4. Fine tune Redfish remote BIOS setup function.

R17

1. Fixed when PCIE error occurs, there is no pause and warning message on the POST screen.
2. Fixed WHQL SMBIOS/USB issue.
3. Fixed RTC fail issue.
4. Fixed NVME Timeout when keep hold Ctrl + Alt + Del.
5. Fixed SATA display abnormal in the middle port.
6. Adjusted Wakeup events not support with ROT system.
7. Fine Tune BIOS item Default string.
8. Added IRROM version 0003.(With ISL power 2020/09/25)

R16

1. Updated Redfish feature for remote setup function.
2. Fixed Clean CMOS reboot system hang.
3. Fixed UUID lost with lan card in legacy mode.
4. Added Fabric Resource Setup Items.
5. Security update for CVE-2020-10255 and CVE-2020-10713.

R15

1. Fixed system wait long time randomly when boot in OS.
2. Fixed redfish load boot order default fail.

R14

1. Update AGESA 1.0.0.7.
2. Change SMT & IOMMU Default to Auto & Enable
1. Update redfish remote setup for boot order
2. Fixed PCIe bus sequence.

R13

1. Adjusted boot option maximum.
2. Fixed Windows 2019 HLK Assurance AQ failed issue.
3. Update IRROM A05.
4. Update Redfish feature.
5. Core Performance Boost disable fail.
6. Added onboard VGA default output priority option in UEFI mode.
7. BIOS Ready Timing change.

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8. Fixed flash Naples BIOS crash issue.
9. Fixed IPMI Persistent Boot issue.

R12

1. Fixed Hot Plug function fail issue.

R11

1. Update AGESA 1.0.0.6.
2. Fine tune Redfish item.
3. Added Erp Lot 9 Item.
4. Fixed SVID issue.
5. Fixed IPMI command change boot order fail issue.
6. Fixed Shell screen re-flash issue.

R10

1. Update AGESA 1.0.0.5
2. Adjusted boot option label.
3. Fixed POST screen show wrong memory test error in CPU1 channel J.
4. Fixed SMBIOS Type 10.
5. Fixed NVDIMM hang at POST screen.
6. Fixed NVDIMM had exclamation mark in Windows.
7. Fixed X540 X550 PXE boot failed in Legacy mode.
8. Runtime disable turbo boost.
9. Added PCIE slot link speed control items.
10. Adjusted XGMI Link Speed and remove unsupported options.

R09

1. Fixed NVIDIA and AMD GPU card driver BSOD issue.

R08

1. Update AGESA 1.0.0.4
2. Adjusted Setup Menu defaults.

R07

1. Update AGESA 1.0.0.3
2. Adjusted Setup Menu defaults.

R06

1. Default disable HD Audio for Windows 2019 Server HLK Fail.

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2. Modify SMBIOS type 131 default data setting for Windows 2019 Server HLK Fail.
3. Fixed system riser porting issue.
4. Fixed BMC got Dimm1 ECC error message.
6. Fine tune PCIe link speed behavior.
7. Update 1024 IRROM A04.
8. Fixed Intel LAN card compatibility issue.

R05

1. Update AGESA 1.0.0.2
2. Modify memory size format.
3. Adjusted FCLK.
4. Fixed 0 degree Celsius hang issue.
5. Fixed onboard VGA error.
6. Add the remote modify BIOS setup function.
7. Fixed display item.
8. Implement GIGABYTE Quick Setting.
9. Fixed CPU1 get wrong ECC location.
10. Adjusted SEL sensor number.
11. Added remote setup items.
12. Modify USB device tree.

R04

1. Modify the BMC version display format.

R03

1. Fixed the BMC about ECC display (Channel, DIMM).
2. Display the CECC or UECC on post report.
3. Skip memory SMI error, when SMT control set disabled.
4. Added Wait BMC Items.

R02

1. Adjusted H262-Z60 hot plug function.

R01

1. First PVT release.
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