

BIOS Release Notes

TITLE

SUBJECT: MZ62-HD0 BIOS Release Notes version R34_F01c
System: MZ62-HD0-00,H262-Z60-00,H262-Z61-00,H262-Z62-00,H262-Z63-00,
H262-Z63-Q8,H262-Z66-00,H262-Z6C-NJ2,H262-ZLB-NJ2

About This Release

Build Date: 2024/09/27
BIOS Checksum: 0xA08F500C (32M)
Release Owner: Auto.Build(Nelson.Lin)

BIOS Components/Contents

Processor stepping(s) supported: AMD Rome / Naples Processors
System hardware configurations supported: MZ62-HD0-00
PCB Version: 1.x,2.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Rome A0	Family 17h Model 30-3Fh	08300027
Rome B0	Family 17h Model 30-3Fh	0830107C

IPMI support:
AMI Kernel version: 5.14_RomeCrb_0ACMK032
AGESA PI version: RomePI 1.0.0.J
OPROM version:

OPROM	Version
AST2500	1.09.00

Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ62-HD0_R34_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.

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2. Use Command Shell.
3. Enter \Tool\afuwin32 and execute f.bat for Windows 32bit.
Or
Enter \Tool\afuwin64 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

R34

1. [Feature] Update AGESA 1.0.0.J.
2. [Feature] Remove unsupport redfish items:
IPv6 BMC Lan Option (IPMI601)
IPv6 BMC Lan IP Address Source (IPMI602)
Secure Boot (SECB001)
Secure Boot Mode (SECB002)
Factory Key Provision (SECB008)
Option ROM (SECB004)
Removable Media (SECB005)
Fixed Media (SECB006)
3. [Security Update] CVE-2023-2650, CVE-2023-3817, CVE-2023-5678, CVE-2023-31315.

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R33

1. Update AGESA 1.0.0.J.

R32

1. Add Redfish items:
Rome0575: Multi Upstream Auto Speed Change
Rome0576: Multi Auto Speed Change On Last Rate

R31

1. [Security Update] PKfail issue.
2. [Feature] Optimize BcpPro tool compatibility.

R30

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.

R29

1. Solve limit Add AMI Solution to solve BcpPro and BIOS quick setting not workable)

R28

1. Enhance Endless Retry PXE feature.

R27

1. Update AGESA 1.0.0.H.
2. Security update: CVE-2023-39538, CVE-2023-39539, CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235.

R26

1. Update AGESA 1.0.0.G.
2. Update Microcode 0830107A for CVE-2023-20593 issue.

R25

1. Updated AGESA 1.0.0.F.

R24

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1. Update AGESA 1.0.0.E.

R23

1. Added H262-ZLB-NJ2 system support.
2. Update IR Version to 8534.

R22

1. Fine tune flash tool for dual BIOS.
2. Support NVME LED control for system.
3. Modify BMC major number format in setup menu.

R21

1. Update AGESA 1.0.0.C.
2. Fixed afu check second BIOS rom failed.
3. Fixed Qlogic MAC issue in WebUI.

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

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

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.

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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.
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.

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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.
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.

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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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