

BIOS Release Notes

TITLE

SUBJECT: MZ83-HD0 BIOS Release Notes version F28
System: MZ83-HD0-000,MZ83-HD2-000,H273-Z80-AAN1-000,
H273-Z80-AAW1-000,H273-Z80-LAN1-000,H273-Z80-LAW1-000,
H273-Z81-AAN1-000,H273-Z81-AAW1-000,H273-Z81-LAN1-000,
H273-Z81-LAW1-000,H273-Z82-AAN1-000,H273-Z82-AAW1-000,
H273-Z82-IAW1-000,H273-Z83-AAN1-000,H273-Z83-AAW1-000,
H273-Z82-AA51-ZB0,H273-Z84-AAW1-000,H273-Z85-AAW1-000,
H273-Z82-AAW1-SC0,H273-Z84-LAW1-000,H273-Z85-LAW1-000,
H273-Z85-LAZ1-000,H273-Z81-LAW1-Q80-SW-010,
H273-Z82-AAN1-SC0-SW-002,H173-Z80-LAS1-000,H173-Z80-IAS1-000,
H273-Z82-IAW1-NT0

About This Release

Build Date: 2024/09/19
BIOS Checksum: 0xBD57678A (32M)
Release Owner: Candy.Wu

BIOS Components/Contents

Processor stepping(s) supported: AMD Genoa Processors
System hardware configurations supported: MZ83-HD0-000, MZ83-HD2-000
PCB Version: 1.x
Microcode updates versions:

CPUID	Family	Microcode Update ID
Genoa B0	Family 19h Model 10-1Fh	0x0A101020
Genoa B1	Family 19h Model 10-1Fh	0x0A101148
Genoa B2	Family 19h Model 10-1Fh	0x0A101248
Bergamo A0	Family 19h Model 10-1Fh	0x0AA00009
Bergamo A1	Family 19h Model 10-1Fh	0x0AA00116
Bergamo A2	Family 19h Model 10-1Fh	0x0AA00215

IPMI support:
AMI Kernel version: 5.27_GenoaCrb_0ACQT025
AGESA PI version: GenoaPI 1.0.0.C
OPROM version:

OPROM	Version
AST2600	1.13.01
VR	E803

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Installation Notes

IMPORTANT NOTES:

1. Please extract the MZ83-HD0_F28.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.
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

Issues fixed in this version

F28

1. [New] Add H273-Z82-IAW1-NT0, H273-Z84-LAW1, H273-Z85-LAW1, H273-Z85-LAZ1, H273-Z81-LAW1-Q80-SW-010, H273-Z82-AAN1-SC0-SW-002, H173-Z80-LAS1, H173-Z80-IAS1 systems support.
2. [Feature] Optimize Hotplug table.
3. [Feature] Update Invnetory v38.

F27

1. [Security Update] PKfail issue.
2. [Feature] Optimize WebUI HDD Inventory information.
3. [Feature] Optimize CX7 WubUI Inventory information.

F26

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1. Added system H273-Z82-AAW1-SC0 Support.

F25

1. [Feature] Fine tune BMC IPv6 and IPv4 Network.
2. Remove item "Boot mode select".
3. Remove not available Redfish items:
Secure Boot (SECB001)
Boot mode select (FBO001)
ACPI SLIT local inter-CXL distance (Genoa128)
ACPI SLIT remote inter-CXL distance (Genoa129)
IPv6 BMC Lan Option (IPMI601)
IPv6 BMC Lan IP Address Source (IPMI602)
4. Change item "Endless Retry Boot" Redfish AttributeName from "Genoa834" to "GBT0168" .
5. Update GBT Channel Genoa AGESA 1.0.0.C.
6. Secure update: CVE-2023-31355, CVE-2024-21978, CVE-2024-21980, CVE-2023-31315

F24

1. Enhance PCIe compatibility.
2. Update Inventory v29.

F21

1. Update GPU Secure function.
2. Enhance PCIe compatibility.
3. Enhance endless boot feature.

F20

1. Optimize AC Loss feature. (In Redfish function: only support command "PowerRestorePolicy")

F19

1. Enhance PCIe compatibility.

F18

1. Update inventory v28.
2. Optimize RedFish compatibility.

F17

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1. Optimize Redfish compatibility.
2. Update inventory v27.

F16

1. Secure update: CVE-2023-31346, CVE-2023-31347, 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.

F15

1. Update AGESA 1.0.0.B.
2. Support Endless Retry PXE feature.
3. Added H273-Z84-AAW1-000, H273-Z85-AAW1-000 system support.
4. Fixed yellow bang in windows.
5. Update inventory v24.

F14

1. Optimize default year 2024.
2. Fixed X710 LAN Mac issue in Legacy mode.
3. Update VR firmware vE803.
4. Added H273-Z82-AA51-ZB0 system support.
5. Update inventory v22.

F13

1. Fixed yellow bang in windows.
2. Fixed Redfish item fail issue.
3. Enhance Redfish feature.
4. Enhance NVMe hotplug feature.
5. Added Power btn control item.
6. Optimize SMBIOS compatibility.

F12

1. Update AGESA 1.0.0.A.
2. System performance improvement.

F11

1. Optimize SMBIOS compatibility.
2. Optimize PCIe LAN card compatibility.
3. Optimize system inventory compatibility.

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F10

1. Update AGESA 1.0.0.9.
2. Fixed system full DIMM reboot issue.
3. Fixed BIOS recovery issue.
4. Optimize SMBIOS compatibility.
5. Update Inventory v18.

F09

1. Update AGESA 1.0.0.8.
2. Enable MCTP feature.
3. Modify SATA Mode item default from "AHCI AS ID 0X7904" to "ACHI"
4. Optimize IPMI ECC SEL location.
5. Added system H273-Z83-AAN1-000, H273-Z83-AAW1-000 support.
6. Optimize system NVMe linkspeed compatibility.
7. Optimize Gen5 system NVMe compatibility.
8. Update VR firmware vG005.

F08

1. Adjusted BMC Watch Dog timer.
2. Optimize Chelsio cards compatibility.
3. Optimize Genz3 Slot link speed compatibility.
4. Update Inventory v16
5. Update H273-Z82-IAW1-000 system hotplug table.
6. Modify PCIe link speed compatibility.
7. Modify SATA configuration page.
8. Added system H273-Z82-SW-ZB-014 support.

F07

1. Update Inventory Mapping system.
2. Fixed COM Port mouse is not working.
3. Added DIMM Manufacturer ID 0x1A08.
4. Fixed NVME LED control failed.
5. Fixed SATA LED Control failed.
6. Adjust the display order of NVME devices list.
7. Modify USB compatibility

F06

1. Updated AGESA 1.0.0.5.
2. Modify all system Hot-Plug table.

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F05

1. Added system H273-Z80-LAN1-000, H273-Z80-LAW1-000, H273-Z81-LAN1-000, H273-Z81-LAW1-000, H273-Z82-IAW1-000 support.
2. Change BIOS default year to 2023.

F04

1. Fine tune Re-driver.

F03

1. Update AGESA 1.0.0.3.

F02

1. Update AGESA 1.0.0.2.
2. Update Microcode.
3. Support Bergamo CPU.
4. Modify GPU SKU behavior.
5. Fixed PCIe Link Speed Item fail
6. Fixed OCP 3.0 present issue.

F01

1. First release.
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