

# BIOS Release Notes Form

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<b>Product Name</b>	<b>H13SSF</b>
<b>Release Version</b>	<b>1.6b</b>
<b>Release Date</b>	<b>01/25/2024</b>
<b>Build Date</b>	<b>01/25/2024</b>
<b>Previous Version</b>	<b>1.6</b>
<b>Update Category</b>	<b>Enhancement</b>
<b>Dependencies</b>	<b>BMC: 01.02.23</b> (BMC_H13AST2600-ROT20-E401MS_20240305_01.02.23_STDsp)
<b>Important Notes</b>	<b>BIOS image:</b> <b>BIOS_H13SSF-1D16_20240125_1.6b_STDsp.bin</b> <b>BIOS Update package:</b> <b>BIOS_H13SSF-1D16_20240125_1.6b_STDsp.zip</b>  <b>Notice:</b>
<b>Enhancements</b>	1.Added a HW workaround to modify the EQ parameters of re-driver on RSC-X2R-68G5 to fix the H13SSF 2U system experiencing the CX6 and CX7 Lan card Gen drop issue during DC On/Off testing. 2.Filled in the SSID for AMD Host Bridge Bus:0, Dev:0, Fun:0. 3.Updated SmcKMS feature. Corrected SUM setup questions & forms containing SMCI strings. 4.Preserved BIOS Config function. Fixed BIOS flash failed to preserve original settings issue when update BIOS between different AGESA revision and set preserve option. 5.Added "SEV Control" and "ACPI CST C2 Latency" items under the BIOS setup page. Update for AMD H13-Genoa_Siena BIOS Setup Template v0.9_20231020. 6.Updated secure boot KEK/DB to add new Microsoft certificate. 7.Updated the P0 and P1 NVMe hot plug table and CPM table according to the Board ID of the new MB R1.02. Workaround for EE update new MB R1.02 to fix the PCIe signal bad issue. Fixed the NVMe

	<p>ordering issue for P0 and P1. Fixed issue with PB 160092 Device (slot to device ID mapping) being out of order.</p> <p>8.Added workaround to fix 2U SKU 2 G1 U.2 NVMe hot plug failed issue.</p> <p>9.Updated BIOS auto-detection for 2U Type2 SKU to read the middle BPN ID(BPN-NVMe5-HS219N-S8). (If the middle BPN ID is "0x1304", it is a 2U Type2 SKU.)</p>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<p>1.Fixed some issues with RSC-X2R-68G5.</p> <p>2.Fixed an issue where the BMC UI network AOC would not detect the PCIe network adapter when the riser (RSC-X2R-68G5) jumper is set to 1 and 2.</p> <p>3.Fixed multiple failures when running ATT SAAECO.</p> <p>4.Fixed an issue where the AOC card sensor reading would not work when installed on RSC-X2R-68G5 SLOT2.</p> <p>5.Fixed an issue with the AOC-S100G-b2C sensor and health status is abnormal on BMC Web GUI.</p> <p>6.Fixed an issue where the system kept rebooting with a "Hardware Error" message during OS boot- up.</p>

***Release Notes from Previous Release(s)***

**1.0 (07/19/2023)**

First release.

**1.6 (10/31/2023)**

Enhancements:

- 1.Modified the riser card setup string to align other Genoa projects.
- 2.Integrated ProjectSmbios.c to let code dynamically generate SXB-related items.
- 3.Added riser card RSC-X2R-68G5 SMBIOS Type 9 & 40 support.
- 4.Enabled M.2 slot to report SMBIOS Type 9 & 40.
- 5.Changed BIOS version to 1.6 for AGESA1009.
- 6.Added Secure Boot Data Based(Digital Ocean) feature.
- 7.Added Amd CbsConfig load default process before NVRAM reset.
- 8.Added GenoaPI-SP5\_1009\_Patch\_Rev2.
- 9.Added the SuperMicro secure boot key.
- 10.Added embedded uefi() shell. Added GotoSetup command.
- 11.Added ASM1061 workaround to disable ASM1061 64-bit memory address capability.

Fixes:

- 1.Fixed some problems for Riser card RSC-X2R-68G5.
- 2.Fixed an issue with NVQual utility not working properly.
- 3.Fixed an issue where SUM cannot execute ChangeFixedBootCfg successfully.
- 4.Fixed ASG-1115S-NE316R AC stress failed and hung on POST code "A2".
- 5.Fixed the 2U Type2 system U.2 NVMe HDD detect function fail issue.
- 6.Fixed H13SSF 2U Type1 SKU system may hang at 91 when 1st boot up after removing the CPUEVAC heat sink.
- 7.Fixed ASG-2115S-NE332R memory information under BIOS setup is incorrect.

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