

IPMI Firmware / BIOS Release Notes Form

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Product Name	H13SST-G/GC
Release Version	3.0
Release Date	10/04/2024
Previous Version	1.9
Update Category	Recommend
Dependencies	N/A
Important Notes	<p>For AMD EPYC™ 9005 Series Processor support, please ensure your motherboard revision is R2.0 or higher. The BIOS and BMC package versions should be BIOS V3.0 or higher and BMC V01.03.03 or higher.</p> <p>Please note that if you would like to roll back the BIOS from V3.x (AMD EPYC™ 9004/9005 Series Processor) dual BIOS to V1.x (AMD EPYC™ 9004 Series Processor) single BIOS, make sure to install AMD EPYC™ 9004 Series Processor before updating the BIOS.</p> <p>To support AMD EPYC™ Bergamo/Genoa-X processor, please update to BIOS v1.4 or higher.</p>
Enhancements	<ol style="list-style-type: none">1. Update to 5.27_GenoaCrb_0ACQT025 for AGESA 1.0.0.C2. Update SA50218 (Vulnerability in EDK2 NetworkPkg/PixieFail VU#132380) to address CVE-2023-45229/CWE-125 (Medium, 6.5), CVE-2023-45230/CWE-119 (High, 8.3), CVE-2023-45231/CWE-125 (Medium, 6.5), CVE-2023-45232/CWE-835 (Medium, 6.5), CVE-2023-45233/CWE-835 (Medium, 6.5), CVE-2023-45234/CWE-119 (High, 8.3), CVE-2023-45235/CWE-119 (High, 8.3)3. Update AMITSE module for AMI SA50216 and SA50230 Security Advisories(LogoFAIL Vulnerability) to address CVE-2023-39538(7.5, High) and CVE-2023-39539(7.5, High) security issues4. Update SA50235 (Extended Image Parser Corruption Correction) to address BRLY-LOGOFAIL-2023-013(Medium, 5.1), BRLY-LOGOFAIL-2023-014(Medium, 4.4), BRLY-LOGOFAIL-2023-015(Medium, 4.4), BRLY-LOGOFAIL-2023-

	<p>016(High, 7.5), BRLY-LOGOFAIL-2023-017(High, 7.5), BRLY-LOGOFAIL-2023-018(High, 7.5), BRLY-LOGOFAIL-2023-019(High, 7.5), BRLY-LOGOFAIL-2023-020(High, 7.5), BRLY-LOGOFAIL-2023-021(Medium, 4.1), BRLY-LOGOFAIL-2023-022(High, 7.5), BRLY-LOGOFAIL-2023-023(High, 7.5), BRLY-LOGOFAIL-2023-024(High, 7.5)</p> <p>5. Update secure boot KEK/DB to add new Microsoft certificate.</p> <p>6. Disable ASPM in ACPI FACP when pcie ASPM is disabled.</p> <p>7. Follow SW-PM's command change BIOS default setting for enable AMD ADDC by default.</p> <p>8. Report GPU information to type 40 if card is a GPU hybrid card. (GPU system only)</p> <p>9. Remove lan condition when get VPD data.</p> <p>10. Update SEL support for Post Package Repair and MBIST.</p>
New features	N/A
Fixes	<p>1. Fix "CCD control" and "Core Control" items can't work.</p> <p>2. Add FBO group in BIOS cfg file dump from SUM.</p> <p>3. Fix CPU freq. is incorrect in setup.</p> <p>4. Fixed change boot order by IPMI function abnormal issue.</p> <p>5. Fixed ACPI BIOS error(CSMI) in dmesg.</p>
<p>1.9 (05/28/2024)</p> <p>1. Update to 5.27_GenoaCrb_0ACQT025 for AGESA 1.0.0.C</p> <p>2. Update SA50218 (Vulnerability in EDK2 NetworkPkg/PixieFail VU#132380) to address CVE-2023-45229/CWE-125 (Medium, 6.5), CVE-2023-45230/CWE-119 (High, 8.3), CVE-2023-45231/CWE-125 (Medium, 6.5), CVE-2023-45232/CWE-835 (Medium, 6.5), CVE-2023-45233/CWE-835 (Medium, 6.5), CVE-2023-45234/CWE-119 (High, 8.3), CVE-2023-45235/CWE-119 (High, 8.3)</p> <p>3. Update AMITSE module for AMI SA50216 and SA50230 Security Advisories(LogoFAIL Vulnerability) to address CVE-2023-39538(7.5, High) and CVE-2023-39539(7.5, High) security issues</p> <p>4. Update SA50235 (Extended Image Parser Corruption Correction) to address BRLY-LOGOFAIL-2023-013(Medium, 5.1), BRLY-LOGOFAIL-2023-014(Medium, 4.4), BRLY-LOGOFAIL-2023-015(Medium, 4.4), BRLY-LOGOFAIL-2023-016(High, 7.5), BRLY-LOGOFAIL-2023-017(High, 7.5), BRLY-LOGOFAIL-2023-018(High, 7.5), BRLY-LOGOFAIL-2023-019(High, 7.5), BRLY-LOGOFAIL-2023-020(High, 7.5), BRLY-LOGOFAIL-2023-021(Medium, 4.1), BRLY-LOGOFAIL-2023-022(High, 7.5), BRLY-LOGOFAIL-2023-023(High, 7.5), BRLY-LOGOFAIL-2023-024(High, 7.5)</p> <p>5. Update secure boot KEK/DB to add new Microsoft certificate.</p> <p>6. Disable ASPM in ACPI FACP when pcie ASPM is disabled.</p> <p>7. Follow SW-PM's command change BIOS default setting for enable AMD ADDC by default.</p>	

8. *Report GPU information to type 40 if card is a GPU hybrid card. (GPU system only)*
9. *Remove lan condition when get VPD data.*
10. *Update SEL support for Post Package Repair and MBIST.*
11. *Fix "CCD control" and "Core Control" items can't work.*
12. *Add FBO group in BIOS cfg file dump from SUM.*
13. *Fix CPU freq. is incorrect in setup.*
14. *Fixed change boot order by IPMI function abnormal issue.*
15. *Fixed ACPI BIOS error(CSMI) in dmesg.*

1.6 (11/30/2023)

1. *Update to 5.27_GenoaCrb_0ACQT022 for AGESA 1.0.0.9 with patch*
2. *Update SecureBoot and AmiSecureBootPkg to correct secure boot system mode.*
3. *Fixed Memory Pmic event log DIMM location incorrect.*
4. *Fix duplicate lan string in boot order*
5. *Fixed an issue that "Present but not trained" is displayed in the memory information when no DIMM was installed.*
6. *Patch M.2 slot 2 sometimes drop.*
7. *Correct NVMe sequence in Rear IO sku.*

1.5a (08/14/2023)

1. *Updated AMI label to 5.27_GenoaCrb_0ACQT020 for AGESA 1.0.0.7 with patch*
2. *Change Memory information unit to MT/s*
3. *Enhance the solution for the error/warning message from dmidecode after a modification by AMIDE.*
4. *Trigger Memory Enhanced PPR + SuperDiag after changing boot option to "Diag" via BMC*
5. *Hide "Local APIC Mode"*
6. *Update Pcode for erratum#1484/1485*
7. *Fix BMC VLAN status show incorrectly*
8. *Add workaround for HII can't be parsed from BIOS ROM*
9. *Fix AMIBCP can't change CPU settings*
10. *Fix boot order can't be preserved after updating BIOS*
11. *Fix IOMMU can't be kept after updating BIOS*
12. *Fix SMT control can't be kept after updating BIOS*

1.4 (03/22/2023)

1. *Updated AMI label to 5.27_GenoaCrb_0ACQT018 for AGESA 1.0.0.6*
2. *Fixed MCA correctable error cannot trigger when MCEON disabled.*
3. *Fix DDR5 speed not shown when "Quiet Boot" = Disable.*
4. *Fix BMC VLAN status show incorrectly.*

1.1 (01/17/2023)

1. *Updated AMI label to 5.27_GenoaCrb_0ACQT016 for AGESA 1.0.0.3*

2. *Add patch for MICRON NVMe lane drop*

1.0 (10/28/2022)

1. *First release*