

IPMI Firmware / BIOS Release Notes Form

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Product Name	H13SST-G/GC
Release Version	01.03.03
Release Date	09/26/2024
Previous Version	01.02.08
Update Category	Recommend
Dependencies	N/A
Important Notes	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. 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. To support AMD EPYC™ Bergamo/Genoa-X processor, please update to BIOS v1.4 or higher.
Enhancements	N/A
New features	1. Add Event log "[CPU-0021] CPU exceeds current motherboard's thermal design power (TDP)" 2. CPU cooling zone operates at full speed to prevent the CPU damage when the CPU temperature exception 3. [177441] [System (BIOS) Embedded Diagnostics] It doesn't support the System (BIOS) Embedded Diagnostics function on H13SSW
Fixes	1. [ROT2-HW] Update(TEE): Release TEE version 0100.03.90 2. [181759] [IPMI 01.02.09 ECO] SATC automation test failed. [182076] Redfish SATC automation test failed. [184487] STD – 21603– 01.03.01 (2024/08/28) – Redfish – CurrentPeriod Error Counts changed after BMC reset. [184603] [BMC ECO 01.03.01 (08/28/2024)] SATC redfish automation test fail 3. Attestation Validation enhancement

	4. [183407] ECO -- 21603 -- 01.03.00(20240726) -- 'Reset BIOS' page exist in BMC web, which is supposed to be new feature of 14 platform 5. [183429] ECO -- 21603 -- 01.03.00(20240726) -- Instruction of Virtual Media in iKVM Help page is not aligned between BMC teams 6. OpenSSH CVE-2024-6387 (regreSSHion) 7. [179169] PIO-2115GT-HNTR-NODE_MP_H1_223] IPMI WBE memory page no detect current memory speed 8. [178465] ECO-- 21603 -- 01.02.06 -- When IPv6 Address and Gateway IP are blank, saving Prefix Length as 64 or 1 reverts to blank after save
01.02.08 (06/18/2024) 1. <i>Change TEE version as it causes CPLD update to fail</i> 2. [178618] ECO-- 21603 -- 01.02.06 -- iKVM Reset message is: "iKVM service has experienced an unexpected issue, resulting in the closure of all active iKVM windows. To resume your activities, please relaunch iKVM windows." 3. [177943] (BIOS_H13SST-1C63-TS00290T00_20240530_1.6.V2_OEMsp, auto) When upload bios rom then abort will get error 4. [177173] STD — 21603 — 01.02.06(2024/05/10) — [GUI] — Virtual Media help page has some descriptions are inconsistent with UI Spec defined 5. [176224] ECO -- 21603 -- 01.02.05(20240429) -- Update BIOS on next boot, try to abort update process will result in unexpected failure 6. [176214] ECO -- 21603 -- 01.02.05(20240429) -- Update BIOS on next boot, Choose Requirements are not same as the original selection when try to abort update 7. [175324] ECO -- 21603 -- 01.02.04 (2024/04/08) -- WEB -- Should not "Disable" user success when user was in session 8. [174820] ECO -- 21603 -- 01.02.04(2024/04/08) -- Web Function -- The certification valid time period won't changed after uploading valid SSL Certificates and Private Key 9. [177103] ECO – 21603– 01.02.06 (2024/05/10) – Sensor – Missing space between the name of PSU fan 10. [175871] ECO -- 21603 -- 01.02.05 -- IPv6 Helpage has duplicate text "Please Note: Similarly,...the BMC should allocate a new IP address and discontinue the use of its previous IPv6 address 11. [171628] ECO — 21603 — 01.02.00(2024/01/30) — [GUI] — IPv4/IPv6 help page description is inconsistent with UI Spec define 12. [174573] ECO -- 21603 -- 01.02.01(20240301) -- IPv4 DNS Server IP behavior not match with error tips 13. [173425] ECO -- 21603 -- 01.02.01(20240301) -- error return when upload "TSIG.key" and "TSIG.private" with 0kb file on DDNS page is not specific 14. [175958] ECO -- 21603 -- 01.02.05(2024/04/29) -- SMCIPMITool(2.28.0_240411) -- NTP timezone unexpectly changed after setting up primary address 15. [173149] [HDS-TMN-PJ1GW1920P] NVMe M.2 sensor display NA on BMC web GUI	

16. *Fix MB provisioning feature broken in tee 0100.03.79 and 0100.03.80.*
17. *[174348] [IPMIECO 01.02.04] SMTP help page description is inconsistent with SPEC, [171624] ECO — 21603 — 01.02.00(2024/01/30) — [GUI] — SMTP help page description is inconsistent with UI Spec define*
18. *[171628] ECO — 21603 — 01.02.00(2024/01/30) — [GUI] — IPv4/IPv6 help page description is inconsistent with UI Spec define*
19. *[173435] ECO -- 21603 -- 01.02.01(20240301) -- Fail to switch Remote Control interface from HTML5 to Java plug-in after do iKVM reset, [173434] ECO -- 21603 -- 01.02.01(20240301) -- Do iKVM(HTML5) reset, MEL will record extra [MEL-0131] iKVM was launched successfully*
20. *[171831] STD -- SW --01.02.00 -- After changing Network setting, Severity on MEL page becomes malfunction*
21. *[175071] ECO -- 21603 -- 01.02.04(20240408) -- Multi NodeB/C/D show "System Temperature" but NodeA dose not, [175072] ECO -- 21603 -- 01.02.04(20240408) -- Multi Node does not show "CPU Temperator" which is not match with Web UI SPEC*
22. *Per AMD thermal design requirement, change TcIt,limit value to 95*
23. *Fix front panel over heart led fail*
24. *[173422] ECO -- 21603 -- 01.02.01(20240301) -- The MEL displayed when add user via WEB UI and SMCIPMITool does not match*
25. *[173253] ECO -- 21603 -- 01.02.03(2024/03/18) -- Virtual Media error message of Path to Image has typo*
26. *[173051] [IPMI 01.02.01 ECO] IPMI no detect node information in "multi node" page, [172478] ECO -- 21603 -- 01.02.01(2024/03/01) -- Web -- Multi node page doesn't display node information*
27. *[171624] ECO — 21603 — 01.02.00(2024/01/30) — [GUI] — SMTP help page description is inconsistent with UI Spec define*
28. *[171621] ECO — 21603 — 01.02.00(2024/01/30) — [GUI] — Virtual Media help page description is inconsistent with UI Spec define*
29. *Fix SATC Error: Test URIs Reachable When DCMS Activated*
30. *[172478] ECO -- 21603 -- 01.02.01(2024/03/01) -- Web -- Multi node page doesn't display node information*
31. *[172398] STD -- 21603 -- 01.02.01(2024/03/01)-- Web -- Fail to upload Valid File For TSIG Authentication*
32. *[172389] STD -- 21603 -- 01.02.01(2024/03/01)-- Web -- AC Power on and FIFO event log are disabled on operator privilege*
33. *[171047] [BMCWEBUI] Automation tests Failure*
34. *Fix CVE-2023-4879 Terrapin Attack*
35. *(CVE-2023-48795) SMC-2024010013 Terrapin Attack vulnerability, SMC-2024010010 Command Injection attack, SMC-2024010011 XSS attack*
36. *(CVE-2023-33413) SMC-2024010012 Command Injection attack*
37. *Fix(CPLD): Trapped in an endless loop of backup CPLD Golden*

38. *[168628] [IPMI 01.01.13 ECO] There are no MEL when executing GMI error inject, [151917] [AMD RAS][CH6] No show OS error log when execute "GMI3/xGMI3 Error Injection"*
39. *Add SEL support for Post Package Repair (PPR) and MBIST*
40. *GrandTwin system supports system dual cooling zone*
41. *Support CPLD update*
42. *[166551] ECO -- 21603 -- 01.01.10(20231108) -- no BIOS & BMC option for Inventory Recover when no License key is activated*

01.01.13 (12/26/2023)

1. *C: Fix the non-A node does not change the MB CPLD register When the smart power is turned off*
2. *[167677] STD -- 21603 -- 01.01.11(2023/11/28) -- DNS Lookup toggle button isn't disabled when system lockdown mode is on*
3. *[166052] ECO -- 21603 -- 01.01.10(2023/11/08) -- Web function -- Radio buttons of Host interface aren't disabled when system lockdown mode is on*
4. *[165582] [Management Plug-in for Nagios Core V1.2.0_build_230911] Nagios doesn't have event in Supermicro Event Receiver after remove fan or power cord*
5. *[165307] STD -- SW-- 01.01.09--No mel generated when changing Prefix length from 128 to 32*
6. *[164559] ECO -- 21603 -- 01.01.08(2023/10/06) -- IP access control permits identical duplicate rules*
7. *[151917] [AMD RAS][CH6] No show OS error log when execute "GMI3/xGMI3 Error Injection"*
8. *Sensor list fails when temperature sensor is greater than or equal to 32*
9. *[161021] ECO -- 21603 -- 01.01.02(20230811) -- [GUI] Help page not list related info of SSDP & LLDP*
10. *[163529] ECO — 21603 — 01.01.07(09/22/2023) — [MEL] — No related MEL when disable TSIG Authentication*
11. *[164898] ECO -- 21603 -- 01.01.08(2023/10/06) -- Web Function -- "Verify SSL Certificate" and "Accept Self-signed Certificate" shouldn't be selected if setting File Server to "http://xxxxx"*
12. *Support AMD SB-RMI version 2.1*
13. *Enable 16-bit POST code*
14. *Support Smart_Power_Spec_v1.12*
15. *Change RAS crash dump reset type to warm boot*

01.01.08 (10/06/2023)

1. *Update AMD RAS crash dump to ADDC 1.8*
2. *PSU FAN page synchronization with PSU page*
3. *Support IPv6 enhancement spec*
4. *Fix Current owner index is wrong after RA provision*

5. *MEL-0135 displays more than 3 times*
6. *BMC cannot obtain IP*
7. *[163528] ECO — 21603 — 01.01.07(09/22/2023) — [SUM] — IPv4 DNS setting comparison wasn't the same after executing "ChangeBmcCfg" command via SUM/*
[163845] ECO — 21603 — 01.01.07(09/22/2023) — [SUM] — IPv4 DNS setting comparison wasn't the same after executing "ChangeBmcCfg" command via SUM
8. *[163529] ECO — 21603 — 01.01.07(09/22/2023) — [MEL] — No related MEL when disable TSIG Authentication*
9. *[162844] STD -- 21603 -- 01.01.05 (2023/09/08) -- WEB -- MEL is incorrect after do ikvm reset*
10. *[162823] ECO -- 21603 -- 01.01.05 -- Remote Console Preview current interface button enabled*
11. *[160509] ECO — 21603 — 01.01.01(07/21/2023) — [MEL] — should non-set IPv4 DNS Server IP related MEL be shown when setup Hostname or not*
12. *[156498] ECO -- 21603 -- 01.00.18 -- [MEL] should non-set IPv4 DNS Server IP related MEL be shown when setup IPv6 DNS Server IP or not*
13. *[162843] [IPMI 1.01.05 ECO] IPMI display "PCIE PERR error" when inject memory UECC/*
[162842] [IPMI 1.01.05 ECO] IPMI display incorrect location when inject memory CECC/
[151917] [AMD RAS][CH6] No show OS error log when execute "GMI3/xGMI3 Error Injection"
14. *Fix OTP flush error and should stop provision*
15. *[159725] [RoT] Update CPLD Golden image event log timestamp is incorrect*
16. *[160511] ECO -- 21603 -- 01.01.01(07/21/2023) -- Could not mount ISO via SMCIPMITool when Virtual Media does not mount any ISO or floppy*

01.01.03 (08/23/2023)

1. *Redfish support new OEM FixedBootOrder API to replace BootOrder for change bios boot option*
2. *[299 Phase 1] Disable IPMI Lan Port Interface*
3. *[299 Phase 1] HTML5 Console as default*
4. *[299 Phase 1] Dual mode for network setting as default*
5. *[299][MultVM] Virtual media support 3 CD/FLOPPY image mounting*
6. *[Enhancement] Modify Dedicated Link options: Add 1G Full and remove 10M Half/Full*
7. *Fix PCIe dump issue with AMD RAS crash dump*
8. *[160511] ECO -- 21603 -- 01.01.01(07/21/2023) -- Could not mount ISO via SMCIPMITool when Virtual Media does not mount any ISO or floppy*
9. *[160497] ECO — 21603 — 01.01.01(07/21/2023) — [GUI] — Deditcated Link speed has 10M speed*
10. *Provision failed*
11. *[155635] [Bergamo][SD5_5.17.0_b1062] Redfish credential bootstrapping test fail flash BIOS need key-in user and password on H13SST*
12. *[155625] [Bergamo][SSM_5.4.0_build.1214]No CPU Speed in SSM System Information on H13SST*
13. *[156576] ECO -- 21603 -- 01.00.18 -- [MEL] generated MEL not quite match when add SNMPv2 (based on MEL SPEC v1.03)*

14. [157556] [IPMI ECO 01.00.19]Redfish automation failure. [159180] [IPMI ECO 1.00.20]Redfish automation tool check is fail. [159406] [BIOS 1.5][IPMI 01.00.20]Redfish automation Failed. [159513] Redfish automation test failed.
15. [156537] ECO -- 21603 -- 01.00.18 -- Fail to add valid Prefix length128 for IPv6 Static Route List

01.00.17 (03/29/2023)

1. Expand IPMI OEM 80 commands.
2. (1) Enhance Power Event Handler/ (2) Add PWROK_SENSE and RST_SENSE debounce
3. Remove "short-term solution to improve NVMe eject/insert glitches".
4. Tune I3C clock parameters, to be compatible with more DIMM models.
5. [154317] ECO -- 21603 -- 01.00.15(02/24/2023) -- Function-- Able to click blink or insert HDD button when system lockdown mode.
6. [152261] ECO -- 21603 -- 01.00.12 (01/17/2023) -- GUI -- Help tips doesn't has SSDP
7. [153452] [ECO] [BIOS_1.1_20230117_IPMI_01.00.14] BMC will delay 7 mins to report AC lost event after remove power cord.
8. Modify power consumption.

01.00.14 (02/10/2023)

9. Enable IPMB
10. MB primary cpId jtag port is locked
11. Short-term solution to improve NVMe eject/insert glitches.
12. Improve the problem of SMBUS reading and writing NIC card
13. Update I2C protection map
14. RAS features according to AMD_MCE(draft)_v0.3.xlsx
15. Read incorrect Power Status without AMD CPU in H13 Platfor
16. [152125] ECO --21603-- 01.00.12 -- [MEL] No related MEL log when setup SNMPv3 Auth Protocol/ Private Protocol
17. [ECO] [CPLD F5.07.28] BMC have not "Power Supply Installed" event on Health Event Log when AC onoff cycle test
18. [150432]ECO--21603--01.00.09(12/05/2022)-- It should be have "Task Message" when BIOS firmware verify and updated completed
19. [150530]ECO--21603--01.00.09(12/05/2022)--"Task Message" it's empty when BMC/BIOS generate evidence completed
20. Failed in IPMIECO TC0002, TC0019, TC2015 and error message "Cannot establish SSL connection"
21. When DIMM is inserted into position G1~F1, the incorrect DIMM name is displayed
22. [150972] ECO --21603-- 01.00.09 -- Vlan ID=1 not match with definition (check supported each field is v1.30 by redfish get BmcInfo)
23. [141588]IPMI Web - help page link confirm/ [146214]IPMI Web - help page link confirm
24. [149099] [ECO] [H13SST-G rev 1.1] BMC have record "[PWR-0028] Smart power was configured to OFF" event log when stress memory/system idle
25. Update SDR due to SSTDG_REV.4.07_06032022
26. Update SPL 01.00.23 and TEE 0100.03.43

01.00.04 (10/28/2022)

1. *First release*