

# IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>H12SSFF-AN6</b>
<b>Release Version</b>	<b>01.02.59</b>
<b>Build Date</b>	<b>02/01/2023</b>
<b>Previous Version</b>	<b>01.02.30</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>BIOS 2.5 (BIOS_H12SSFF-1C19_20230206_2.5_STDsp)</b>
<b>Important Notes</b>	<b>BMC image: BMC_H12AST2600-ROT-9201MS_20230201_01.02.59_STDsp.bin</b>  <b>BMC image and flash utility package: BMC_H12AST2600-ROT-9201MS_20230201_01.02.59_STDsp.zip</b>
<b>Enhancements</b>	<b>1. Added HotSpare in Redfish API and WEBUI. 2. Added support for IPMI LAN disable. 3. Added NIC link up/down event. 4. Added support for iKVM New UI. 5. Added new error message to display in Dynamic DNS, Floppy Disk, and IPMI Configuration. 6. Added support for AOC-STGC-i2T. 7. Added the network AOC to show up in the WebUI. 8. Enabled the user to modify the time zone from WEB after the NTP is disabled.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>Fixed the following issues: 1. Error HTTP message format at X13 and X12 redfish (/redfish/{string}.IKVM).</b>

	<p>2. No MEL is generated when attempting to login with wrong password on Web.</p> <p>3. Popping up warning message when add difference "Policy" with same IP/Prefix Length.</p> <p>4. Content-Length value is different from the Message Body length.</p> <p>5. The password for factory setting should be unique password.</p> <p>6. The frame of "SNMPv2" help window is not complete at right hand side (Japanese).</p> <p>7. Returned two JSON data and cause error reply at H12 redfish (/redfish/v1/AccountService/Accounts/{num}).</p> <p>8. Fixed some Event log time zone is incorrect and not follow the latest MEL SPEC.</p> <p>9. When NTP disable, user cannot modify time zone from WEB.</p> <p>10. Enabled StatelessAddressAutoConfig in Redfish ethernetInterface.</p> <p>11. Set HTML5 console as default selection.</p> <p>12. IPv6 auto-config option will be enabled after setting other network parameters.</p> <p>13. Added VRM I2C protection map.</p> <p>14. Redfish method to set BMC LAN interface.</p> <p>15. Forbidden input decimal point value at "Host IP Address."</p> <p>16. Username should not allow "!" which does not match with specification.</p> <p>17. "Duplicated rule" prompt message and behavior is not same as X12 UI SPEC define.</p> <p>18. Prevent unspecified address and loopback address are added to static IPv6 addresses.</p> <p>19. SMCIPMITOOLIPMITOOL and WEB have different naming of power supply in inventory items.</p> <p>20. Does not show any popup message when press down reload button without BMC configuration file.</p> <p>21. AS-F1114S-FT WEB UI Storage Monitoring define issue.</p>
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	<p>22. Updated network hostname format.</p> <p>23. Removed System NIC(Systemslot, port) event description.</p> <p>24. Configuration backward compatible issue in 01.02.40.</p> <p>25. Set correct max alert count to 15.</p> <p>26. The order of the AOC Temp Sensors is out of order.</p> <p>27. IPMI upload config message now changed.</p> <p>28. Fixed the NTP setting not sync after BMC reboot when setting invalid NTP server.</p> <p>29. User/Operator privileges should be able to modify itself while logged in.</p> <p>30. H12 platform has XSS vulnerability in Notification Alert feature, affected protocol setting includes SMTP and Redfish.</p> <p>31. Incorrect Severity under MEL.</p> <p>32. Error message after modifying Web port and Web SSL port.</p> <p>33. Virtual Media/Record/Full-Screen help content does not match with specification.</p> <p>34. Different status messages when configuring Virtual Media and DDNS.</p> <p>35. Failed to install OS by virtual media HTML5.</p> <p>36. Error msg is incorrect when disabled in session user.</p> <p>37. ipmi lan vlan value is not expected and Vlan ID value does not match with specification.</p> <p>38. HTML5/Java iKVM show wrong message when updating IPMI firmware in old/new UI iKVM and iKVM protocol will not disconnect when updating IPMI.</p> <p>39. Displayed icon color is incorrect when mount success.</p> <p>40. Virtual keyboard language won't sync with iKVM language.</p> <p>41. Login screen should support "eye-icon" button to view password.</p> <p>42. IPMI Web - Network page "DHCPv6" check fail.</p> <p>43. Added warning message for RAID HDD type mixing.</p> <p>44. Fixed automation test failed, test case 408: BMCWebUI.</p>
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|  | <p>45. Fixed SMTP User Name now supports @ and .</p> <p>46. Removed license key check in system troubleshooting webui page</p> <p>47. Intel ACC100 wrong temp reading.</p> <p>48. Disabled LED blink action on physical and logical view pages for M.2 cards.</p> <p>49. Special account can cause out-band login at redfish at H12.</p> <p>50. Fixed redfish SNMP patch protoeolenable and port fail and SNMP Cannot Turn On."</p> <p>51. Multi Node page fail.</p> <p>52. Special Characters Allowed in SNMPv2 Community String.</p> <p>53. WEBUI wrongly did not allow to edit user properties in FW 1.00.00.</p> <p>54. Fixed Memory Thermal Trip display error.</p> <p>55. BMC 1.02.55 failed to automatically switch SAS controller i2c mode into PCIe mode.</p> <p>56. All sensors dropping during DC OnOff testing.</p> <p>57. FD reset ADMIN/ADMIN does not work after UID button 12s Factory and FD Reset ADMIN/ADMIN does not work after factory default reset,</p> <p>58. New added link IPV6 addresses are unavailable.</p> <p>59. Multi Node attribute 'POST CODE' is wrong when translated to Japanese and Simple Chinese.</p> <p>60. Introduction about remote control is incorrect at the HELP page.</p> <p>61. BMC reset for new SSL certificate to take effect.</p> <p>62. Fixed Redfish automation tool check fail.</p> <p>63. Extended the size limitation of certificate and key files.</p> <p>64. Removed rollback ID configuration page, rollback ID always update when FW update.</p> <p>65. Lost PFR image version on web.</p> <p>66. Unrestricted input found in Image parameter of virtual media feature.</p> |
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	<p><b>67. Fixed response is incorrect when clear IPv6 null address via smcipmitoo.</b></p> <p><b>68. BMC cannot get correct NIC healthy.</b></p> <p><b>69. X12 H12 BH12 are NOT supposed to display N/A on threshold, so must set SDR readable mask to 3F3F.</b></p> <p><b>70. Prompt message should be translated to Simplified Chinese and Japanese at IP Access Control and "Duplicated Data" prompt message is not corresponding on selected "Policy"(ACCEPT/DROP).</b></p> <p><b>71. SOL text is shown incorrectly on BH12SSi platform.</b></p> <p><b>72. Port saved without changes error message.</b></p> <p><b>73. Should not show warning message after changing syslog Server with an illegal syslog server.</b></p> <p><b>74. CPU In Yellow Health Status After Flashing IPMI FW 1.00.28 "System" tab on IPMI web gui keep turning yellow during "On/Off" test, with only on IPMI version 01.00.28.</b></p> <p><b>75. BMC 1.02.55 failed to automatically switch SAS controller i2c mode into PCIe mode and AOC-S3908L-H8iR-16DD is not recognized by IPMI due to OOB protocol auto switch is not functional.</b></p> <p><b>76. It should be have MEL message when mount CD-ROM image failed.</b></p>
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***Release Notes from Previous Release(s)***

**01.02.30 (06/02/2022)**

- 1. Support BRCM 38xx, 39xx I2C mode and auto-switching to PCIe mode.*
- 2. Support RMCP over IPv6.*
- 3. Can't update BIOS golden after bmc reboot during BIOS update.*
- 4. Incorrect NVME event description in 01.02.13 if Drive slot defined in system SPEC*
- 5. SAS logical SEL description incorrect*
- 6. Show storage controller VPD information on Web GUI.*
- 7. Host will not reboot automatically after BIOS runtime update.*
- 8. Implement SEL based on spec 1.34*
- 9. Implement MEL based on spec 1.04*
- 10. Fix BIOS UFFN version mismatch*
- 11. Fix - Host now automatically powers on (if host is off) after BIOS Update Golden*
- 12. Added a prompt to ask user if they want to reboot system after BIOS runtime update. [137380] - Flashing BIOS by "Immediate Update" not works under Web GUI*

13. Unexpected events log after the system reboots
14. BMC will stay at FW update mode when upload invalid BMC FW [135183] - Web hang in loading after uploaded invalid BMC file
15. The format of Maintenance Event Log page about the "Clear All the Event Logs" button and "Interface" ? "User" and "Category" are not matched
16. Unable to see NVMe Max Link Speed and Max Link Width on Storage Monitor
17. IPMI Console Capture Video sometime freeze in progress
18. The sensor name for HDD is incorrect.
19. [DVT SYS-620TP-HC9TR] WEB UI Storage monitoring function delay over 1 minute when executing create RAID/delete RAID.
- [DVT]WEB UI Storage monitoring function delay over 1 minute when executing create RAID/delete RAID.
- [DVT]WEB GUI RAID50/10 create failed it can't select span for RAID create.
20. Out of Spec Definition Assertion Desertion events logs when hotplug PWS
21. When launch java plug-in under Remote Console , it will return to Web UI log in page.
22. SMCIPMITool is able to setting primary server to localhost
23. QYFQ has incorrect CT and NR temperature on IPMI CPU Temp sensor threshold cannot be adjusted in 01.02.13
24. Power supply information missing/misplaced/failed to update in IPMI WebGUI Add appropriate id to power supply on web
25. I will get many CPU throttle events when running eburn stress with the system
26. AOC SAS Storage sensor spec issue of HDD Temp and HDD Status [135621] - [DVT][AOC SAS Storage sensor spec issue of Drive Status [135216] - [DVT]Broadcom3908 System sensor check issue
27. Network number mismatch during run system on/off test (Failover mode)
28. There is no BMC User Guide link is workable in help page
29. The IPv6 address is out of bounds
30. The format of CPU page is incorrect.
31. Web ADMIN Can delete new create user when new user login
32. IP Address can't support IPv6 format on "IP Access control" page.
33. SOL fail to start in SMASH Console
34. AOC-S25G-B2S-O is not display in WebGUI
35. Showing warning message when user try to add a duplicate rule
36. display symbol of "Descending" ? as default? for task page
37. [LCS-AOC-S3908L-H8IR-16DD] There are extra labels for HDD operation in BMC WEB UI.
38. Used wrong information will return Oops! error while mount ISO (Virtual Media).
39. Fix #132720 STD --17198--1.02.02--Web Notification Alert
40. fix - Sensor readings not show all NVMe temp in BMC
41. AC cycle got Dedicated LAN Link Down event [133687] - Fan speed miss detect / LAN Link Up - Down - Up in BMC log
42. Unable to login to BMC
43. It shouldn't sort by "Health Status" and "state" at same time [134692] - Default sorting task by "Create Time" (Descending) is more user friendly [134734] - "Update" and "Inventory" didn't translation to Chinese simplified and Japanese "System Lockdown" didn't translation to Chinese simplified and truncation [134749] - "Host Interface" and "System Lockdown" display incomplete and overlap (Japanese) [134748] - "System Lockdown" didn't translation to Chinese simplified and truncation.
44. Fix - CPU Health severity is not correct on Dashboard(System) and Component Info
45. iKVM Record video function no display under HTML5 remote console
46. Fail to Setup Time Zone [134559] - Time zone won't able to change under NTP server via WebGUI [134556] - BMC failed to set time zone
47. User is able to delete itself while logged in. PASS
36. User is able to enter 65 characters as Authentication Key and Encryption key when setting Alerts with SNMPv3
37. Should now be able to upload .ima files onto Floppy Disk on Web GUI

38. Couldn't turn on NTP Enable

39. fix- Language Change title string not translated.

40. Task list filter Completed Time the string will be shifted [136835] - Dynamic DNS feature has different filter rule between H12 and X12 [136298] - The link speed in physical view is displaying "drives link speed and also link not active"

41. Remove current settings and set user defaults to ADMIN/ADMIN does not work

42. The user account can be changed Enabled Status when the account logging in

43. fix - [RoT] RoT event log display Out of SPEC Definition 0x00/0x01

44. System Crash Dump can be generated/download with wrong license(No key or OOB) [137760] - "Save" button is not appropriate for clear event log confirmation boxes [137775] - Add SNMP type user Not have \* to inform Auth Key and Private Key are required items [137778] - Add SNMP type User not had error message When use not allowed characters [137830] - Mount \*.img display wrong file type on Virtual Media page

45. Unable to generate "NTP update" on the task list, while NTP Enable/Disable. [137841] - Unable to generate "NTP update" on the task list, while NTP setting.

46. Filter account type "Redfish/IPMI" or "SNMP" will stuck. PASS

47. IPMI Web gui storage monitoring battery/nvme capacity status.

48. The DNS server ip changed back to "0.0.0.0"

49. The Severity is incorrect when VBAT Battery fail

50. Fix The description about memory install/remove location in health event log is incorrect

51. The NTP time incorrect PASS

52. [DVT]WEB UI update 3808 FW failed

53. Redfish automation test failed. [137260] - [IPMI ECO 01.02.16] 31 tests failed will occur when executing redfish automation tool [136114] - [IPMI ECO 01.02.13] Automation tests Failure. [127406] - Redfish Automation Tool check fail. [136456] - [BIOS ECO 1.2] Automation tests Failure. [134718] - Redfish automation test failed. [136254] - Redfish automation test failed.

54. User list couldn't cancel session id after closed ikvm/html5 session

55. Does not allow me to log in with created user using ipmicfg

56. Unable to mount "Floppy Disk" while upload the \*.ima file.(Virtual Media) [139064] - Sorting result was incorrect by "Prefix Length" on "IP access Control" page. [139055] - It should be set to required field and with \* symbol on "Syslog Server" and "Port". [136835] - Dynamic DNS feature has different filter rule between H12 and X12. [137786] - "Account Type" is not match on Add/Modify window and user list. [137830] - Mount \*.img display wrong file type on Virtual Media page [138677] - Unable to mount "Floppy Disk" while uploading the \*.ima file.(Virtual Media)

57. CPLD version display is not match between existing version and new version on Update CPLD Step 3

58. User/Operator privileges should be able to modify itself while logged in. [138937] - Password tips behavior is incorrect on "Add New User/Modify User" window. [138929] - Auth key/Private key change password icon is inconsistent with Password field. (Add New User) [138927] - Tips info is shift the position of Password and Confirm Password field. (Add New User) [138923] - Tips info is overlap on "Account Type" check box. (Add New User)

59. Disabled the function when system lockdown enable

60. Host now powers on after updating BIOS golden image

61. NTP can still using localhost as Primary NTP Server [139100] - It should not allow add empty Community Strings.(SNMPv2)

62. After BMC load default, SMCIPMITool cannot clear sel.

63. No CPU Temp-related event in IPMI SEL when testing CPU thermal trip function.

64. WebUI will show "Invalid Username or Password" with new created user which contains special characters in username.

65. [IPMI ECO 01.02.13] Automation tests Failure. [136456] - [BIOS ECO 1.2] Automation tests Failure. [133392] - Redfish Installation Test fail caused by incorrect BIOS preservation option.

66. It should be hide star\* symbol with Community String. [139000] - It should be using "Community String/Access Mode" on SNMPv2. [138921] - "Account Type" doesn't match on Add/Modify window and user list. [138919] - It should not present duplicated information on "Add New User" window. [139003] - It should not

show tips while saving on "Modify Community String" without any special  
67. No CPU Temp-related event in IPMI SEL when testing CPU thermal trip function

**01.02.08 (12/03/2021)**

1. Enabled updating BMC via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to preserve configurations.
2. Enabled updating BIOS via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to print to MEL.
3. Disallowed anonymous account or null value to be created in HW IPMI.
4. Enabled user with User-level permissions to change UID setting.
5. Enabled updating BIOS via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to preserve SMBIOS.
6. Fixed network AOC missing link status.
7. Fixed the web being slow on the CPU page.
8. Disallowed the user privilege to be configured if the user ID or password is empty.
9. Fixed a typo in the RollbackID.
10. Fixed the firmware uploading is hanging in few cases.
11. Fixed missing NVMe graphics.
12. Fixed the DC28 of cmd generating incorrect description in the BMC web.
13. Fixed the power consumption always 2W after stress cburn on/off.
14. Removed MouseMode, IKVM, and Snooping license check.
15. Fixed the failure to unlock the ADMIN account.
16. Fixed OEMGetSetSmartCool 30 70 73 cmd response.
17. Fixed the blink LED feature not working in the logical view page and no option to delete Raid volume as well.
18. Fixed the multi-function should grey out when login with user privilege.
19. Fixed only X12 Whitley supports restore boot option.
20. Added support for Nvidia A16 and A2.
21. Added support for Intel GPU Artix Sound-P.
22. Added AOC-A25G-i2SM temperature sensor.
23. Fixed system lockdown issue on the web.
24. Fixed web element is not disabled when login with user privilege.
25. Fixed failure to run IPMIECO Automation test (TC401/402).
26. Fixed AOC-S25G-m2S no link status.
27. Fixed Directory Service support group.
28. Fixed the BMC fail to delete the RAID configuration.
29. Fixed the IPMICFG execute IPv6 command "-addrptl 2" failure.
30. Fixed buffer overflow in ipmi\_lan ASF protocol.
31. Fixed DoS BMC with incorrect IPMI operate packet.
32. Fixed default restore boot option if update BIOS not set PreserveBOOTCONF.
33. Fixed the behavior of the Reset pin inverted.
34. Fixed storage card controller 'create raid' button still enable when system lockdown disable.
35. Fixed Redfish response inconsistent.
36. Fixed the BMC version is not the same between System and Multi nodes.
37. Fixed the NTP primary server check for correct IP.
38. Fixed the S3908L-H8IR-16DD without BBU but the BBU status is error.
39. Fixed IPMIECO TC 267 Mount ISO over IPv6 fail.
40. Fixed the user name and password requirement inconsistent with the help info.
41. Fixed the help information for the username and password and the authentication key and private key.
- Removed the ID on the task page.
42. Fixed automation tests failure.
43. Fixed CPU SEL event triggers SEL itself to return 500.
44. Fixed the "Welcome back" message to match the selected language.
45. Greyed out the "Recover" button when the DCMS license is inactivated.
46. Fixed configuring SMTP to send alerts.
47. Fixed the sensor "DIMMA~D Temp" and "DIMME~H Temp" value always displaying "N/A" under the OS.
48. Fixed password help description.



49. Fixed using SMCIPMITool to download and extract CDump.tgz.
50. Disabled space character when setting DNS server.
51. Fixed automation tests failure.
52. Set default in the "Subject" field for the SMTP alert.
53. Modified title for all field in Web GUI Alerts page.
54. Modified title for Authentication Key/Authentication Protocol/Encryption Key/Encryption Protocol fields in Web GUI Alerts page.
55. Set default "checked" to Auth and Private protocol.
56. Fixed string handling in the Authentication/Encryption key fields.
57. Disabled uploading IPMI Configuration files that are not .bin files.
58. Fixed check box is out of frame.
59. Enabled BIOS "Update on next boot" after "Power Reset."
60. Fixed systemlockdown issue on the web.
61. Added backward compatibility to support AOC-STG-b2T with PLDM or original thermal.
62. Enabled autoconfig when IPv6 is enabled with stateless mode to fix TC267.
63. Fixed domain name save issue on the DDNS page.
64. Fixed web notification alert.
65. Disallowed user to delete itself while logged in.
66. Fixed ikvm port becoming 0 after reloading configuration file.
67. Fixed the "Close" button is being out of the "Preference" page on IKVM(HTML5).
68. Fixed data mismatch when comparing Excel file with the web Event Log.
69. Fixed system CPU overheating and automatically throttling during CPU HPL performance test.
70. Shorten the network AOC FW version.
71. Added support for EUI-48 locally administered MAC address for Redfish host interface.
72. Enabled host interface to get IP in client OS after rebooting OS or removing or inserting rndis driver.
73. Added new raw command 0x30 0x68 0x39 to add or delete user account.
74. Fixed SMCIPMITool automation test failure.
75. Enabled USB LAN between BMC and BIOS to work with all BIOS with USB LAN local MAC or USB LAN global MAC.
76. Added new raw command 30 68 E1 to select host MAC for Redfish host interface.
77. Added MultiNode API.
78. Updated new JAVA certificate.
79. Added support for BIOS runtime update.

#### **01.01.12 (09/13/2021)**

1. Set prompt to reboot system to show after updating NICs and Broadcom firmware.
2. Added querying stored rollback ID.
3. Made Rollback ID alert a tooltip.
4. Fixed issues with number of drives displaying on Overview and Physical View tabs on storage monitoring.
5. Fixed mismatch of power consumption curves for "last day" and "last week" and highest peak value in IPMI WebGUI.
6. Fixed ability to configure some functions when using "User" Privilege, and missing translation to Japanese and simplified Chinese for component information.
7. Fixed missing IPMI SEL log for HDD smart error.
8. Fixed problem of BiosRotManage UpdateGolden throwing "Sending packets timeout".
9. Fixed ability to configure some functions when using "Operator" Privilege.
10. Fixed failure of SATC Redfish automation test.
11. Corrected number of SATA drives on Broadcom rectangle.
12. Fixed abnormality of iKVM after changing language from English to ????
13. Fixed issue with cross-site scripting on Users feature when using specific payload.
14. Corrected web storage controller tab.
15. Removed DCMS license requirement for updating BMC/BIOS Golden and getting Rollback ID.
16. Fixed functionality of firmware update checkboxes.
17. Fixed mismatch of "Generate Evidence can't update BIOS firmware" message and Spec definition.

18. Fixed problem of firmware inventory page loading unnecessary buttons.
19. Fixed missing switch and generate button on System Crash Dump page with Admin and Operator privilege.
20. Fixed failure of reboot after power cycle for 24-48 hours.

#### **01.01.06 (07/24/2021)**

1. Corrected data shown on Storage Monitoring page.
2. Fixed problem of the battery status showing as "Not Install" when the battery module has been plugged in.
3. Fixed issue of BMC Web hanging when getting network AOC information.
4. Fixed problem of IPMI showing N/A on AOC Temp reading.
5. Fixed inability to detect sensor reading "AOC\_NIC1\_Temp" when AOC-S25GC-i4S card is attached.
6. Fixed problem of BMC generating AIOM sensor when there is no AIOM card.
7. Fixed inconsistency of save success messages for WebUI.
8. Fixed ability to configure some functions when using "Operator" Privilege.
9. Fixed problem of "Configured-driver is rebuilding" showing in physical view after RAID status in logical view returns to "Optimal" and found 3 (expecting 1) "HDD is rebuilding" event logs on web.
10. Fixed problem of IPMI event log showing as null when event log adds to 4096
11. Fixed failure of page to respond when VM has a bad file name.
12. Fixed 13 failures of IPMIECO Automation test.
13. Fixed inability to connect to IPMI Web using http://IP:81 when web port 81 is ON.
14. Fixed problem of the Battery status displaying "Prohibit" icon when RAID card does not support battery module and battery status error in Storage Monitoring.
15. Fixed problem of PFR action button behavior changing from show/hide to disable/enable.
16. Fixed missing translation to Japanese and simplified Chinese for component information and DDNS/IPMI/License Activation "Select Files" button, and "Multi Node" related information in Help content.
17. Fixed problem of the NTP Enable switch position moving to On and the "On/Off" string disappearing after disabling NTP.
18. Fixed problem of the web page logging out when changing "System Lockdown" (either On to Off or Off to On).
19. Fixed problem of file names affecting verification.
20. Fixed missing health when there is no linkup with TAS.
21. Fixed problems of NetworkDeviceFunctions collection count showing as 0 and NetworkDeviceFunctions showing MAC as garbled.
22. Fixed failure of test via SMSTC.
23. Fixed problem of PSU page extended info automatically minimizing.
24. Fixed failure of COM2 console redirection to connect.
25. Fixed abnormality of CPU overheat.
26. Fixed memory present pin on H12 platform.
27. Fixed problem of model value showing as empty with AMD CPU.
28. Fixed presence of sensor for AIOM 1G (AOC-AG-i2M).
29. Fixed failure of IPMI WebUI to respond and ability to receive logs when the log is full (512 logs) after disabling the FIFO.
30. Fixed problem of Oops error being returned when turning on "Virtual Media Port" first.
31. Fixed inability of 1.01.03 to enable Dynamic DNS in setting process.
32. Fixed problem of error being returned when using full-width characters when adding or modifying user name and mismatched hit message being returned when inputting full-width characters for user password.
33. Fixed problem of HDD rebuilding showing too many logs on web.
34. Corrected DNS Server2 IP default value, fixed inability to configure DNS Server IP/DNS Server2 IP on Network page, and enhanced IPv4 static netmask input validation.
35. Fixed problem of Health Event Log page hanging in reading process when creating over 4096 events.
36. Fixed error with event log when rebuilding HDD slot2.
37. Fixed problem of PSU status displaying wrong error if system is powered off and PSU has a power cord.
38. Fixed failure of selected protocol (SHA96/AES128) to save at SNMPv3 (Alert).
39. Fixed mismatch of "Message" field on "Alerts" page when protocol is "Redfish".
40. Fixed inability to disable SOL.
41. Fixed inability to find BBU status on IPMI storage monitoring overview page.

42. Fixed failure of web session timeout.
43. Fixed PWS sensor reading.
44. Fixed missing host interface after BMC factory default.
45. Fixed ability to edit IP Access Control, DDNS, Syslog, Time Zone, and NTP Server after locking down the system, to configure some functions in System Lockdown Mode, and to configure some functions when using "Operator" and "User" Privilege.
46. Fixed failure to enable SNMPv3 when special characters include username.
47. Corrected small value shown for output current on WebUI PSU page if PSU output current is over 65A.
48. Fixed failure of the NTP time to sync after updating the BIOS.
49. Fixed problem of IPMITool Factory Default Command raw 30 40 resetting the network settings.
50. Corrected information displayed when "Virtual Media Port" is turned off and fixed problem of "TSIG .key File" and "TSIG .private File" hit message being lost, overlapping, and shifting on DDNS page.
51. Added BMC unique firmware name.
52. Fixed error with MIB sensor Table check.
53. Set system slot at "Location" in Network AOC tab to be used.
54. Fixed issue with RADIUS server address input.
55. Fixed failure of SATC Redfish automation test.
56. Fixed inability of the system COM1 to send any data out.
57. Fixed IPMI config and LIC activation, problem of Tips and hit message overlapping on "Add new user" window, problem of "Auth key" and "Private key" hit messages overlapping and showing as incomplete on SNMPv3 page, problem of "Port" and "Time to live" hit messages overlapping on SSDP page, problem of "Select Files..." hit message overlapping with button on IPMI Configuration page, and problem of "Port" and "Time to live" tips and hit message overlapping on SSDP page.
58. Fixed Redfish license check.
59. Fixed mismatch of chassis information on the IPMI WebGUI and FRU CT value.
60. Fixed missing sensor reading.
61. Synchronized Alert IP between OEM command and Redfish/Web.
62. Fixed inability to disable IPMI Web SNMPv3.
63. Unified fan threshold as 280.000 | 420.000 | 560.000 | 35420.000 | 35560.000 | 35700.000.
64. Fixed typo in Redfish driver property.
65. Fixed failure of memory serial number to show completely, problem of "Export to excel" string display appearing out of frame on HEL/MEL page (Japanese), failure to show error message when typing in IPv4 format address on IPv6 DNS server, issues with language dictionary spelling, and different format under PSU page.
66. Fixed mismatch of Redfish property.
67. Fixed inability of SMCIPMITool to show IPv6 address after setting Network LAN mode to dual and failure of test case 267 for SUM commands "MountIsoImage" and "UnmountIsoImage" with IPv6.
68. Added support for AST2600A3.
69. Fixed failure of TC#315.
70. Fixed mismatch of time format.
71. Fixed ability of user to launch only one HTML5 window after FD.
72. Fixed inability to mark the latest event as acknowledged.
73. Fixed ability of Virtual CD-ROM to import invalid symbol for input option.
74. Fixed error with power consumption SC mode and mismatch of account info display format on two platforms.
75. Set yellow RBID notification to show on BMC or BIOS selected components.
76. Fixed missing Network add-on card sensor and info and add-on card NIC sensor reading.
77. Fixed test cases 407 and 408.
78. Fixed 10 failures of SATC test and 23 failures of Redfish Automation API test.
79. Fixed abnormality of behavior on sensor page.
80. Corrected SSDP port number 1-65535 and disabled VM port on the first use.
81. Fixed problem of the NIC being assigned to shared NIC when both dedicated and shared NICs are connected.
82. Set completion message to appear for 15 seconds.
83. Corrected power status displayed after BIOS update.
84. Fixed mismatch of SSDP port number range from note box and alert message.
85. Fixed problem of AOC temperature name containing unknown characters in SMCIPMITool and missing temperature sensor reading for AOC-S100GC-i2C.

86. Fixed error message for ability of user to set username with "@" and ability of user to set user name with special characters.
87. Fixed problem of task status showing as EXCEPTION after BIOS update finishes.
88. Corrected WebUI behavior after enabling system lockdown.
89. Replaced BMC power into DCMI power reading for template workaround.
90. Added some delay for SUM to poll BIOS for update progress.
91. Removed extra characters in warning error message for user.
92. Fixed problem of value error occurring in IPMI Web - System - Component Info - CPU Speed.
93. Corrected event log created by IPMI after heating memory until OS shutdown.
94. Added support for the combination of 'erase' and 'update' commands.
95. Set first step to "Choose component and options" and second step to "Upload Firmware File."
96. Fixed problem of firmware verification staying on Step 2 if it fails on Firmware Management page.
97. Fixed problem of Web service hanging when logging into WebUI with Chrome browser while SEL is full.
98. Fixed failure of host to power up after BIOS update by tool.
99. Fixed failure to save and mount floppy image file.
100. Fixed problem of Virtual keyboard iKVM Java being cut short.
101. Fixed failure of SUM automation test.
102. Fixed malfunction of BIOS update on H12.
103. Fixed failure of automated test and license permission.
104. Fixed failure of CPU and memory page in BMC component info page check after offline flash of BMC, BIOS, or CPLD and then powering on the first time.
105. Fixed inability to find the TEE OS version in the IPMI maintenance event log.
106. Fixed inability to apply TC103 radius IP.
107. Fixed failure of Dashboard storage button to change to red info with critical array event.
108. Allowed 20 seconds before rebooting BMC for SUM to process some items before updating BIOS Golden image.
109. Fixed problem of RAID card logical drives displaying error in IPMI Storage monitoring overview.
110. Fixed missing BoardID property in redfish/v1/Chassis/1.
111. Added one more byte in raw 0x30 0x68 0xE0 0x00.
112. Set BIOS update through SUM with BMC reboot to preserve BIOS settings.
113. Fixed inability to add the SNMP alerts by SMCIPMITool.
114. Fixed Storage Redfish API count.
115. Added SensorNumber property in /Chassis/1/Thermal.
116. Fixed problem of "Clean user password failed" always showing when the operator deletes the user through SMCIPMITool.
117. Updated BMC/BIOS Golden image when updating the OEMFID into RBID.
118. Set BMC to reboot only when writing BIOS rollback ID into CPLD is required.
119. Added a notification when user selects "Allow Rollback ID To Be Updated".
120. Added support for identifying AMD CPU generation.
121. Added support for SFT-SDDC-SINGLE license activation.

#### **00.01.26 (2021/02/03)**

1. revert TEE OS to v9999.01.05. Original TEE OS make some issues like IPv6
2. [121412] The IPv6 settings are some errors and different with HPE.
3. [122163] [Milan] IPMI raw 30 80 1 2 (to Get upper lower power limits for SPM SW) w fail output CC (Invalid data field in Request) on the H12SSFF-AN6.
4. [122104] (BIOS\_H12SSFF-1C19\_202101132006\_TESsp.bin,Milan CPU.SMSTC) Failed to check TC#309 due to SUR always keep system in power off state after ran update BIOS Golden command as ".sum -I Redfish\_HI -u ADMIN -p ADMIN -c BiosRotManage --action 2 --reboot". BMC can't get OOB file on first AC On.
5. [120727] [IPMIECO 00.01.18] SMSTC automation test failed, TC 401/402/407/408/409 web fix.
6. Sleep for 20 seconds regardless if using SUM through in-band/OOB for MB CPLD Update.
7. [119992] Cannot build HDD RAID function in BMC Web GUI.
8. [121979] Function fail: H12SSFF when first time boot up will hang up.

9. Fix provision tool get wrong golden BMC revision.
10. Provide IPMI command of erasing BMC/BIOS backup/golden for production team

**00.01.23 (2021/01/08)**

1. Added cache value for VRMSoc temperature sensor.
2. Modified voltage threshold UNC/LNC to UC/LC value.
3. Set a "failed" message to display in MEL when BMC/BIOS firmware update fails.
4. Fixed failure of CPLD JTAG to lock after finishing CPLD provision.
5. Fixed failure of UEFI SUM 1.1.0 to update CPLD, throwing out code 149.
6. Fixed missing bios\_oem\_fid file in restapi File.Export.

**00.01.22 (2020/12/30)**

1. Fixed problem of BIOS halting at OE during AC cycle.
2. Fixed failure of SUM automation test.
3. Prevented BMC reset due to NAND parsing.
4. Fixed ability to add username with fewer than 4 characters.
5. Fixed failure of SMSTC automation test.
6. Changed display of BMC golden revision from 0.01.22 to 00.01.22.
7. Added support for crash dump.

**00.01.20 (2020/12/15)**

Initial Release