***Notes to Release Notes Authors***

* *All fields must be completed; please indicate as “N/A” if not applicable.*
* *Release Notes should document functional changes, dependencies, bug fixes and added features.*
* *Release Notes must not mention the methods of implementation and/or internal processes.*
* *Release Notes must not mention of silicon errata and/or other external causations.*
* *Release Notes must not mention confidential/proprietary information and/or trade secrets of Supermicro or any third party.*
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**IPMI Firmware / BIOS Release Notes Form**

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| **Product Name** | **A2SDI-HLN4F series** |
| **Release Version** | **3.84** |
| **Release Date** | **8/30/2019** |
| **Previous Version** | **3.80** |
| **Update Category** | **Critical** |
| **Dependencies** | **None** |
| **Important Notes** | **None** |
| **Enhancements** | **N/A** |
| **New features** | **1. Populated NAS-Identifier (rfc2865, 5.32.0) with BMC-specific string.****2. Enabled logging multiple HDDs as absent at the same exact second as a StorageController type event in order to remind the user about possible component-related problem (e.g., storage controller, cable, or backplane error).** |
| **Fixes** | **1. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.****2. Fixed abnormality of sensor readings after sorting.****3. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.** |

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

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| ***3.80 (2/14/2019)****1. Improved multi-language content on the iKVM/HTML5 option menu and submenu.**2. Changed FirmwareInventory to SmcFirmwareInventory to prevent user confusion with Redfish standard definition.**3. Added patch for CVE-2019-6260 pantsdown.**4. Migrated IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and renamed the function name from "Event Log" to "System Management Log" in Redfish & Web UI.**5. Added support for Redfish firmware inventory (BIOS/BMC update).**6. Added support for NVIDIA V100.**7. Added parameter (SkipCheckingME) for BIOS EnterUpdateMode in Redfish to skip ME checking.**8. Added support for TaskService feature during BMC and Broadcom storage controller update in Redfish.**9. Added support for Node Manager feature in Redfish.**10. Added new feature for GUID/BoardID in Redfish.**11. Added new feature for event data extension in Redfish.**12. Added support for Redfish TaskMonitor.**13. Implemented Redfish APIs for SSM.**14. Implemented Redfish APIs for SUM.**15. Added new Redfish features for downloading and uploading IPMI configuration.**16. Revised Redfish "Actions" for clearing event log.**17. Enabled AC Power On Event log.**18. Added Redfish memory information feature.**19. Fixed failure of SUM 2.0.1 Test.**20. Fixed failure of SUM "Test\_case\_215 Outband - ChangeBmcCfg and compare".**21. Fixed inability to disable LDAP Authentication immediately after enabling it.**22. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.**23. Fixed inability to open the 4th IKVM session in Redfish.**24. Fixed problem of IPMI BMC/Onboard LAN MAC address not showing as 00:00:00:00:00:00.**25. Fixed inconsistency in format of IP address on System page.**26. Fixed missing space between two words.**27. Corrected SNMP behavior and made it identical to X11.**28. Fixed inconsistency in format of BMC MAC address.**29. Fixed problem of power consumption history showing minimum power as 0W.**30. Fixed incorrect grammar of some text.**31. Fixed problem of 'M' not following after one period in 'R.P.M'.**32. Fixed incorrect grammar in the alert Window.**33. Fixed malfunction of IPMI Alert email.**34. Fixed inability to delete Role Group in Active Directory page.**35. Fixed timeout of Invalid Default Active Directory.**36. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.**37. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content.**38. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.**39. Fixed failure of Redfish API test.**40. Fixed grammar error on Event Log page.**41. Fixed failure of Redfish automation test.**42. Set AC Power On Event log to be reported when BMC executes cold reboot.**43. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.**44. Fixed inability to set NM power policy successfully by Redfish API.**45. Fixed failure to use SMCIPMITool to add AD group name & domain.**46. Fixed inability to open Java iKVM when using domain name to log in to BMC.**47. Fixed problem of duplicated events related to BRCM3108 occuring at the same time.* |

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*Product Manager Date*