IPMI Firmware Release Notes

Product Name	**X10SL7-F and X10SLL+-F**
Release Version	**3.86**
Release Date	**11/15/2019**
Previous Version	**3.72**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. Merged X11 SMASH overflow and rearrange method. 2. Patched CVE-2019-6260. 3. 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. 4. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility. 5. Changed FirmwareInventory to SmcFirmwareInventory to prevent conflict with Redfish standard definition.
New features	1. Added BMC firmware solution to program and store unique pre-programmed password. 2. Added parameter (SkipCheckingME) for BIOS update in Redfish. 3. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish. 4. Added GUID/BoardID in Redfish. 5. Added event data extension in Redfish. 6. Added support for Redfish TaskMonitor.

	7. Implemented Redfish APIs for SSM / SUM.
Fixes	1. Allow modifying username with space.
	2. Corrected iKVM display of "Virtual Media".
	3. Corrected inability to launch SOL window.
	4. Corrected formatting of display when logging in with long AD name.
	5. Allow setting port number after changing the VM port.
	6. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
	7. Corrected sensor readings after sort.
	8. Corrected inability to add AD group name and domain in SMCIPMITool.
	9. Allow opening Java IKVM when domain name is used to login to BMC.
	10. Fixed malfunction of KCS, sensor reading, and some commands.
	11. Allow opening the 4th IKVM session in Redfish.
	12. IPMI BMC/Onboard LAN MAC no longer shows 00:00:00:00:00:00.
	13. Show consistent IP addresses on System page.
	14. Change SNMP behavior identical to X11.
	15. Corrected inconsistencies in BMC MAC address format.
	16. Power consumption history no longer shows minimum power as 0W.
	17. Corrected miscellaneous typos.
	18. Improved email function.
	19. Allow deleting Role Groups in Active Directory page.
	20. Corrected timeout of Invalid Default Active Directory.
	21. Corrected Upload button behavior for floppy disk virtual media after unmounting a file.
	22. Multi-language support of iKVM/HTML5 console help page.

1. Fixed incorrect grammar of some text.

2. Fixed missing space between two words.

3. Fixed problem of the hostname showing "SMC-bs_2019-10-17_11:28:41" after updating IPMI firmware.

4. Fixed problem of 'M' not following after one period in 'R.P.M'.

5. Corrected message that is displayed when IKVM port is unchecked.

Release Notes from Previous Release(s)

3.80 (2/14/2019)

1. Hid iKVM/HTML5 on 3.35.
2. Enabled iKVM connection to use STUNNEL only for security matters.
3. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016-7434.
4. Changed the license requirement of WebGUI syslog from DCMS to OOB.
5. Improved multi-language content on the iKVM/HTML5 option menu and submenu.
6. Revised Redfish "Actions" for clearing event log.
7. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.
8. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.
9. Corrected SNMP behavior and made it identical with X11.
10. Migrated the IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and changed the name "Event Log" to "Health Event Log" in Redfish and Web UI.
11. Added Enter Key Causes Session Logout for Web Session feature.
12. Added support for GPU threshold in GPU Thermal Guide v1.09.
13. Added support for HTML5.
14. Added SNMP feature.
15. Added Syslog feature.
16. Added Chassis Intrusion feature.
17. Added SMCRAKP feature.
18. Added support for IP Access Control.
19. Added support for VM (Virtual Media).
20. Added Snooping.
21. Added HD IMG file support for VM feature.
22. Added support for SEL Almost Full log (75%) and SEL Full log (99%).
23. Added ability to filter out false alarm CATERR.
24. Added 204 and 405 http status code support for Redfish API so that 204 http status code responds to APIs that support PATCH and 405 http status code responds to APIs that do not support PATCH.
25. Nested ICANN domain in "OEM" part if there is data to show.
26. Renamed Redfish APIs as follows: from /redfish/v1/UpdateService/SSL to /redfish/v1/UpdateService/SSLCert, and from /redfish/v1/UpdateService/SSL/Actions/SSL.Upload to /redfish/v1/UpdateService/SSLCert/Actions/SSLCert.Upload.
27. Added Redfish support for firmware inventory (BIOS/BMC update).
28. Added new Redfish features for downloading and uploading IPMI configuration.
29. Added parameter (SkipCheckingME) for BIOS EnterUpdateMode in Redfish to skip ME checking.

30. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish.

31. Added support for Node Manager feature in Redfish.

32. Added new feature for GUID/BoardID in Redfish.

33. Added new feature for event data extension in Redfish.

34. Added support for Redfish TaskMonitor.

35. Implemented Redfish APIs for SSM.

36. Implemented Redfish APIs for SUM.

37. Added patch for CVE-2019-6260 pantsdown.

38. Fixed problem of VM failing to mount ISO file in Web GUI when IPv6 address instead of IPv4 address is entered in the ShareHost text box.

39. Fixed problem of some information being lost from System Summary if BIOS, CPLD, and Redfish updates to 3.34.

40. Fixed broken remote console and presence of noise in iKVM windows with wrong resolution size.

41. Fixed failure of SUM test.

42. Fixed inability to enter special characters in SMTP password field.

43. Fixed issue of "Sensor ID" being empty in PCIE SERR/PERR Alert mail.

44. Fixed failure of mounting/unmounting ISO when using SUM.

45. Failure to change gate way.

46. Fixed issue of PCH Sensor Reading displaying "N/A".

47. Fixed incorrect chassis intrusion status.

48. Fixed misspelling of snooping in Redfish 3.28.

49. Fixed failure to PATCH UID via https://IP/redfish/v1/Chassis/1/ with {"IndicatorLED": "Blinking"}.

50. Fixed IPv6 static address from being lost after reboot on IPMI.

51. Fixed inability to set FANs A, B, C, and D to Optimal via Redfish API.

52. Fixed inability of VBat sensor reading to immediately reflect the battery's presence/absence.

53. Fixed issue of Activated OOB License being missed when firmware updates from 3.36 and 3.37 to 3.42.

54. Fixed problem of console windows jumping from background to foreground when a new character appears on the screen.

55. Fixed failure of "iKVM Reset" function.

56. Fixed inability of iReasoning MIB Browser (SNMP) to retrieve sensor data.

57. Fixed inability to change BMC configuration file by OutBand/InBand command.

58. Fixed problem of health condition showing as "OK" when power supply status is absent.

59. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default.

60. Fixed problem of some digit keys not working when French keyboard layout is selected.

61. Fixed issue of system hanging during POST with IERR errors when 3018 AOC is used.

62. Reduced the action to reset OOB interface of Broadcom 3108 RAID controller.

63. Fixed problem of system hanging at POST stage, IERR occurring, and some affiliated HDDs within 3108 being lost when systems installed with 3108 AOC run cburn ON/OFF test.

64. Fixed inability of IPMI to handle uppercase IPv6 address.

65. Fixed problem of POST action on /redfish/v1/UpdateService/SSL being allowed.

66. Fixed problem of secondary NTP server becoming empty after BMC is restored to default.

67. Fixed inability to handle SMTP Port Number correctly.

68. Fixed problem of unexpected alert occurring when changing date and time settings.

69. Fixed ability of operator level access to reset iKVM.

70. Corrected product number.

71. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and compare".

72. Fixed inability to disable LDAP Authentication immediately after enabling it.

73. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.

74. Fixed failure of Redfish AT, SATC test, and Redfish Automation test.
75. Fixed grammar error on Event Log page.
76. Fixed inconsistency in format of BMC MAC address.
77. Fixed problem of power consumption history showing minimum power as 0W.
78. Fixed incorrect grammar of some text.
79. Fixed problem of 'M' not following after one period in 'R.P.M'.
80. Fixed incorrect grammar in the alert Window.
81. Fixed failure of email function.
82. Fixed inability to delete Role Group in the Active Directory page.
83. Fixed timeout of Invalid Default Active Directory when IPMI 3.73 Redfish test has 1 failed item.
84. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.
85. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content.
86. Fixed inability to open the 4th IKVM session in Redfish.
87. Updated IPMI BMC/Onboard address to "00:00:00:00:00:00".
88. Fixed inconsistency of the IP address format on System page.
89. Fixed incorrect number of spaces between two words.
90. Fixed inability to set NM power policy by Redfish API.
91. Fixed failure to add AD group name and domain using SMCIPMITool.
92. Fixed inability to open Java IKVM when domain name is used to log in to BMC.

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Product Manager   Date