

IPMI Firmware Release Notes

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Product Name	X11DPL-I+
Release Version	1.76.04
Release Date	12/5/2019
Previous Version	1.56
Update Category	Recommended
Dependencies	None
Important Notes	If current IPMI FW below 1.55, please contact Tech Support to get IPMI FW 1.55 and 1.75.03 before update to 1.76.04. Update by this order: The early BMC FW ->1.55 or above ->1.75.03 above, otherwise the BMC will lost FRU and all configuration
Enhancements	1. Removed DIMM status sensor reading from WebUI and IPMITool. 2. Corrected "Trouble Shooting" to "Troubleshooting". 3. Set Redfish scheme to be case insensitive. 4. Fixed problem of Redfish returning error 500 after stress Redfish makes get request about 100 times. 5. Modified boot option to adhere to Redfish description. 6. Set IERR event and troubleshooting to enabled by default. 7. Provided more information for Processor Configuration Error. 8. Blocked iKVM virtual storage if VM port is disabled. 9. Set BMC to store factory default option in flash.
New features	1. Added syslog configuration support for IPv4 and IPv6 hostname. 2. Added ability of SMCIPMITool to download Maintenance event log. 3. Added advanced health event log.

	<p>4. Adjusted AEP memory threshold.</p> <p>5. Added support for BBP2 PWS-1K01B-1R.</p> <p>6. Added support for LSI 3008/3216/3616 IT management without support for firmware update and logic volume management.</p> <p>7. Added SPS FW downgrade enhancement & CLX CPU ID Check feature.</p> <p>8. Added support for AD/LDAP/RADIUS hostname.</p> <p>9. Added support for riser AOC-SLG3-2M2.</p> <p>10. Added KCM privileges.</p> <p>11. Set IPv6 to disabled by default.</p> <p>12. Added IPv6 Static Router.</p> <p>13. Added display of all IPv4/IPv6 addresses on the sys_info page.</p> <p>14. Added account lockout feature to temporary disable user if condition is met.</p> <p>15. Defined common format to add Health and Maintenance events to syslog server.</p> <p>16. Added support for Redfish SecureBoot feature.</p> <p>17. Added support for unique pre-programmed default password, form 299-00-190617-001.</p>
Fixes	<p>1. Fixed failure of ATT SM test "test_case#113.</p> <p>2. Fixed failure of 3 critical tests for Redfish Automation.</p> <p>3. Fixed failure of ME stress test.</p> <p>4. Fixed problem of BMC resetting when deleting non-existing active directory group with SMCIPMITool.</p> <p>5. Fixed inability to sort health event log by date but not time.</p> <p>6. Fixed problem of all event severities showing as "information" when sending test alert.</p> <p>7. Fixed problem of fan operating at full speed after changing mode from FullSpeed to Standard.</p> <p>8. Fixed problem of "save uncompleted" warning appearing on IPMI ECO improve item test.</p>

	<p>9. Fixed failure to add AD role group using SMCIPMITool.</p> <p>10. Fixed problem of system health status showing as critical during BIOS post.</p> <p>11. Fixed failure of Redfish storage volume actions.</p> <p>12. Fixed incorrect LSI enclosure and drive numbers on Redfish.</p> <p>13. Fixed problem of system health status on WebUI showing as critical during BIOS boot or IPMI update.</p> <p>14. Fixed failure of ME stress test.</p> <p>15. Fixed failure to launch Java SOL a second time.</p> <p>16. Fixed Maintenance Event Log and Health Event Log in Redfish.</p> <p>17. Fixed issue of "Save uncompleted" message appearing when changing time and saving it on IPMI Web.</p> <p>18. Corrected CATERR-Assertion event sensor type from CATERR to Processor.</p> <p>19. Fixed failure of IPMI ECO Redfish automated test.</p> <p>20. Fixed inability to set user privilege to No Access via cmd.</p> <p>21. Fixed issue with BMC memory leak.</p> <p>22. Fixed inability of BMC to detect power supply PWS-721P.</p> <p>23. Fixed inability to read SMC power supply FRU.</p> <p>24. Fixed missing "Power Source" in IPMI WebGUI Server Health page.</p> <p>25. Fixed problem with title alignment adjustment on Web pages after firmware update.</p> <p>26. Fixed problem of IPMI wrongly parsing PCIe correctable error to other description.</p> <p>27. Fixed problem of Time Stamp displaying 1970/01/01 in health event log during AC on/off test.</p> <p>28. Added support for the UEFI PXE boot device via Redfish.</p> <p>29. Fixed inability of SUM to trigger BMC to execute PCH reset action when SPS is downgraded.</p>
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	<p>30. Fixed failure to accept the special characters in the share host field.</p> <p>31. Corrected fan curve for DIMM and VRM under standard mode.</p> <p>32. Patched with pantsdown security fix for CVE-2019-6260.</p> <p>33. Fixed problem of random Aux Rev occurring.</p> <p>34. Set license to activate when MAC changes and OOB source is enabled.</p> <p>35. Fixed abnormality of system power consumption when power policy is enabled.</p> <p>36. Fixed failure of BMC remote KVM and remote power control.</p> <p>37. Fixed problem of IPMITool in-band and out-band hanging because of the special characters &~`!@#\$%^*()_-=+{[] \:;'"<,>./ in username and password.</p> <p>38. Fixed malfunction of top menu refresh link after AD configuration.</p> <p>39. Fixed problem of too many IERR event logs generating when IERR is triggered.</p> <p>40. Fixed failure of SMSTC test with SMCIPMITool.</p> <p>41. Fixed failure to change TPM state by IPMI raw command.</p> <p>42. Fixed failure to display the IPMI VLAN ID range message.</p> <p>43. Corrected NVMe information retrieved through SCMIIPMITool.</p> <p>44. Fixed issue with display of long AD domain name.</p> <p>45. Fixed failure of IPMI to create a new event when attempting to log in using incorrect credentials.</p> <p>46. Fixed Web session timing out when logging into BMC with AD/BMC account.</p> <p>47. Fixed failure of BMC to support clearing the recv irq bit, compensating.</p> <p>48. Fixed problem of BMC continuously rebooting if the dedicated LAN disconnects while dedicated mode is selected.</p> <p>49. Fixed problem of setting ServiceEnable of IPAccessControl via Redfish returning HTTP status code 302.</p>
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	<p>50. Corrected reading of Peripheral Temperature as 127 degrees and added Inlet Temperature sensor.</p> <p>51. Added VM Security patch.</p> <p>52. Fixed enable/disable for Launch KVM button.</p> <p>53. Fixed failure of legacy power supply to respond to BMC.</p> <p>54. Set VM port 623 to close after disabling VM service.</p> <p>55. Fixed problem of Web BMC alert email limiting the number of words.</p> <p>56. Followed Ultra system to adjust Health event log severity.</p> <p>57. Fixed problem of Syslog recording a message every 2 minutes.</p> <p>58. Fixed failure of Test Case 215 on X11DGQ.</p> <p>59. Fixed failure of SUM test with IPMI 3.75.</p> <p>60. Fixed problem of redfish/v1/Managers/1/VM1/CfgCD showing password plain text.</p> <p>61. Corrected response of setting via in-band interface after setting SMTP sender email.</p> <p>62. Fixed malfunction of Watchdog setting the pre-timeout NMI interruption after counting down to pre-timeout interval.</p> <p>63. Fixed inability to change SecureBootMode in Redfish.</p> <p>64. Fixed mismatch of preservation in 1.74.xx and 1.75.xx firmware.</p> <p>65. Corrected behavior after updating BIOS through IPMI WebUI.</p> <p>66. Fixed abnormality of system power consumption when SPM power policy is enabled.</p>
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Release Notes from Previous Release(s)

1.56 (9/21/2018)

1. Fixed problem of all KVM consoles disconnecting after launching the maximum of 4 sessions.
2. Added support for 3rd party power supply.
3. Added support for LSI3108 firmware update through I2C.
4. Updated Redfish API to 3/16/2018.
5. Added support for TAS HDD Driver events.
6. Added support for maintenance system event log for UID on/off.
7. Added support for DIMM status in IPMI/Web sensor reading and Redfish.
8. Added support for RSD IPMI command.
9. Added support for syncing system MAC and AOC MAC to Redfish without TAS.
10. Added support for system event log to record most configuring operations.
11. Added support for HII configuration in Redfish.
12. Added support for adding CPU MRC event.
13. Added support for new NVMe CPLD/MCU firmware and Date Code Support.
14. Fixed inability of CPU overheat LED to turn ON in IPMI 1.52 when CPU processor hot event occurs.
15. Fixed failure of BIOS update when entering ME recovery mode.
16. Fixed the incorrect sensor type of M.2 SATA in the IPMI event log.
17. Enabled setting all actions or at least 2 actions to the same hotkeys.
18. Fixed missing foreign language translation for "Preference" settings in HTML5.
19. Fixed failure of 19 critical tests in Redfish automation.
20. Fixed missing SEL when unplugging M.3.
21. Fixed problem of some pages displaying abnormally when language is set to "Japanese".
22. Resolved AD/LDAP/RADIUS conflict.
23. Fixed ability to save invalid RADIUS input in IPMI Web, grammar problem on Hardware Information page, problem of alerts recurring in IPMI Web when user enters invalid values, problem of Web Session and Syslog port accepting double/float value as input, ability to save invalid value using terminal commands (JavaScript), problem of Active Directory configuration in IPMI Web accepting invalid value, problem of IPMI Web allowing user to modify Reserved User, problem of invalid input in 1.1.1.1/ format triggering no alert on IPMI Web IP Access Control page, and problem of page not showing user correct format if wrong path entered on CD-ROM Image page.
24. Fixed inability of LAN configuration and power control to work after BMC VLAN is enabled and LAN mode is changed.
25. Fixed problem of power supply removal not triggering alert, sensor error status, and error LED blinking.
26. Hid IPMI ejection function for NVMe with VMD mode.
27. Fixed problem of Java iKVM viewer showing "black rectangle portion" where HTML5 doesn't.
28. Fixed problem of iKVM being inaccessible with new port configuration.
29. Fixed incorrect power history record after AC cycle stress test.
30. Fixed failure of Redfish automation test.
31. Fixed failure of iKVM/HTML5 to work properly after launching and resetting a few times.
32. Copied BM/BP/BS from FRU1 to FRU0 if they are empty.
33. Prevented invalid IP format on IP Access Control page.
34. Improved fan control efficiency.
35. Fixed BIOS anti-rollback.
36. Removed clearing of license when clearing configuration.
37. Fixed issue with redfish/v1/Systems/1/Storage/HA-RAID/Volumes.
38. Fixed missing warning message prompt when executing BIOS rollback from X11DPLI_8.615(SPS :4.0.04.340) to X11DPLI_7.B01(SPS:4.0.04.288).

39. *Changed 'event log' to 'health event log' and 'system event log' to 'maintenance event log'.*
40. *Fixed inability to save and restore syslog configuration via maintenance->IPMI Configuration.*
41. *Fixed failure of FAN.*
42. *Fixed excessive delay for temperature sensor reading.*

1.51 (4/30/2018)

1. *Hid IPMI ejection function for NVMe with VMD mode.*
2. *Enabled system event log to record most configuring operations.*
3. *Enabled HII configuration.*
4. *Added IERR interrupt control with disabled as default setting.*
5. *Enabled system MAC and AOC MAC to sync to Redfish without TAS.*
6. *Fixed incorrect memory detection.*
7. *Fixed issue with IPMI fan curve.*
8. *Fixed problem of Java iKVM viewer showing "black rectangle portion" where HTML5 doesn't.*
9. *Fixed problem of iKVM being inaccessible with new port configuration.*
10. *Fixed incorrect power history record after AC cycle stress test.*
11. *Fixed incorrect system name on the LCD panel.*
12. *Fixed problem of FAN duty appearing as 100% when BMC is reset.*
13. *Fixed missing X11DSC+ Inlet temperature.*
14. *Fixed ability to save invalid RADIUS input in IPMI Web, grammar problem on Hardware Information page, problem of alerts recurring in IPMI Web when user enters invalid values, problem of Web Session and Syslog port accepting double/float value as input, ability to save invalid value using terminal commands (JavaScript), problem of Active Directory configuration in IPMI Web accepting invalid value, problem of IPMI Web allowing user to modify Reserved User, problem of invalid input in 1.1.1.1/ format triggering no alert on IPMI Web IP Access Control page, and problem of page not showing user correct format if wrong path entered on CD-ROM Image page.*
15. *Fixed inability of LAN configuration and power control to work after BMC VLAN is enabled and LAN mode is changed.*
16. *Fixed problem of power supply removal not triggering alert, sensor error status, and error LED blinking.*
17. *Fixed problem of all KVM consoles disconnecting after launching the maximum of 4 sessions.*
18. *Resolved AD/LDAP/RADIUS conflict.*
19. *Fixed problem of some pages displaying abnormally when language is set to "Japanese".*

Product Manager

Date