

IPMI Firmware Release Notes Form

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Product Name	X10DRL-LN4
Release Version	3.87
Release Date	10/29/2019
Previous Version	3.80
Update Category	Recommended
Dependencies	None
Important Notes	<ol style="list-style-type: none">1. BMC will do auto factory default when updating this firmware from BMC revision 2.XX or 1.XX.2. The early BMC firmware ->3.73 or above ->3.85; otherwise the BMC will lose FRU and all configurations.
Enhancements	<ol style="list-style-type: none">1. Set Redfish scheme to be case insensitive.2. Blocked iKVM virtual storage if VM port is disabled.
New features	<ol style="list-style-type: none">1. Added display of all IPv4/IPv6 addresses on the sys_info page.2. Added IPv6 Static Router.3. Added support for KCM privileges.4. Set IPv6 to disabled by default.5. Added support for unique pre-programmed default password, form 299-00-190617-001.

Fixes	<ol style="list-style-type: none">1. Fixed problem of upgrade to IPMI firmware 3.83 causing BMC to crash.2. Fixed problem of Web session timing out when logging into BMC with AD/BMC account.3. Fixed failure of IPMI to create a new event when attempting to log in using incorrect credentials.4. Fixed issue with display of long AD domain name.5. Fixed failure of SMSTC test with SUM 2.3.0.6. Fixed failure of SMSTC test with SMCIPMITool.7. Fixed issue of AOC_NIC_Temp sensor not displaying a value.8. Corrected NVMe Info through SMCIPMITool.9. Fixed failure to accept the special characters on the share host field.10. Corrected fan curve for VRM and DIMM under standard mode.11. Set license to activate when MAC changes and OOB source is enabled.12. Fixed mismatch of preservation in 3.85 and 3.86 firmware.13. Corrected behavior after updating BIOS through IPMI WebUI.14. Fixed problem of Web BMC alert email limiting the number of words.15. Followed Ultra system to adjust Health event log severity.16. Fixed failure of SUM IPMI test for Test Case 215.17. Added VM Security patch.18. Fixed failure of legacy power supply to respond to BMC.19. Fixed enable/disable for Launch KVM button.20. Fixed failure to mount CD-ROM image.
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Release Notes from Previous Release(s)

3.80 (3/22/2019)

1. Corrected Redfish 500 error of being returned after stressing Redfish to request about 100 more times.
2. Updated copyright to 2014-2019.
3. Added support for AD/LDAP/RADIUS hostname.
4. Patched CVE-2019-6260 pantsdown security fix.
5. Fixed random occurrence of Aux Rev.
6. Fixed problem of IPMITool in-band and out-band hanging because of the special characters &~`!@#\$%^*()_-=+{[]}\:;'"<,>.?/ in username and password.
7. Fixed malfunction of top menu refresh link after AD configuration.

3.75 (1/31/2019)

1. Corrected "Trouble Shooting" to "Troubleshooting".
2. Added support for BBP2 PWS-1K01B-1R.
3. Added syslog configuration support for IPv4 and IPv6 hostname.
4. Added ability of SMCIPMITool to download Maintenance event log.
5. Added advanced health event log.
6. Fixed failure to launch Java SOL a second time.
7. Fixed issue with BMC memory leak.
8. Fixed inability of BMC to detect power supply PWS-721P.
9. Fixed inability to read SMC power supply FRU.
10. Fixed inability to set user privilege to No Access via cmd.
11. Changed 'event log' to 'health event log' and 'system event log' to 'maintenance event log'.
12. Fixed inability to save and restore syslog configuration via maintenance->IPMI Configuration.
13. Prevented invalid IP format on IP Access Control page.
14. Removed clearing of license when clearing configuration.
15. Fixed issue with redfish/v1/Systems/1/Storage/HA-RAID/Volumes.
16. Fixed missing "Power Source" in IPMI WebGUI Server Health page in IPMI 3.74.
17. Fixed problem with title alignment adjustment on Web pages after firmware update.
18. Fixed problem of IPMI wrongly parsing PCIe correctable error to other description.
19. Fixed problem of Time Stamp displaying 1970/01/01 in health event log during AC on/off test.
20. Added support for the UEFI PXE boot device via Redfish.

3.72 (7/24/2018)

1. Upgraded NTP to version 4.2.8p10 to fix security issue.
2. Hid unused power supply information on power source page.
3. Added save button to WebUI Server Health->Sensor reading page.
4. Added support for GetSetBMCStatus command for TAS.
5. Added auto-refresh to sensor reading page.
6. Added support for NVIDIA GPU V100 (0x1DB4).
7. Added support for new fan curve in Thermal Design Guide v4.06.
8. Added support for new Redfish APIs.
9. Set system event log to record most configuring operations.
10. Copied BM/BP/BS from FRU1 to FRU0 if they are empty.

11. Added BMC firmware support for LSI3108 firmware update through I2C.
12. Synced system MAC and AOC MAC to Redfish without TAS.
13. Set LDAP default IP address to show as 0.0.0.0.
14. Fixed incorrect power history record after AC cycle stress test.
15. Fixed problem of iKVM not working properly after iKVM reset.
16. Fixed inability of No Access User Network Privilege to be displayed on User page.
17. Fixed inability to erase hostname on network page.
18. Fixed problem of power history record page timing out due to abnormal power peak.
19. Enabled AOC MAC address to show on system page without TAS.
20. Fixed problem of the power supply FRU being empty in DMI after the AC is first powered on.
21. Fixed missing chassis intrusion status in IPMITool chassis status.
22. Fixed inability of iKVM reset to close iKVM console.
23. Fixed problem of IPMI not returning to login page automatically after reloading IPMI Configuration.
24. Fixed problem of AC cycle stress testing making BMC crash because of uncorrectable SMBIOS file.
25. Fixed problem of SMCIPMITool and WebGUI showing different values for PSU FAN RPM.
26. Fixed issue with port configure page value check.
27. Fixed abnormal syslog display.
28. Fixed Redfish auto test.
29. Fixed problem of BMC settings and FRU being lost if BMC updates from 3.16 to 3.55-3.59.
30. Fixed issue of missing device ID for sensor AOC_NIC_Temp.
31. Fixed issue of duplicated sensor information.
32. Fixed unusual behavior on SNMP page.
33. Fixed problem of the webpage showing "404-Not Found" when "here" is clicked on Firmware Upload page.
34. Fixed failure of Patch BitRate in Redfish.
35. Fixed failure of Patch the DateTime in Redfish.
36. Fixed inability of sensor alerts to be received by email or SNMP.
37. Fixed incorrect date and time in Maintenance System Event Log.
38. Fixed problem of UpdateBMC finishing but progress not showing as 100%.
39. Fixed problem of 'BMC supports OOB BIOS config' showing no support.
40. Fixed problem of failed DIMM location not matching the motherboard silkscreen.
41. Fixed issue of some sensors being missing.
42. Fixed the following APIs: /redfish/v1/Managers/1/VM1/CfgCD/Actions/IsoConfig.Mount, /redfish/v1/Managers/1/VM1/CfgCD/Actions/IsoConfig.UnMount, and /redfish/v1/Managers/1/IPAccessControl/FilterRule/[rule_num].
43. Fixed inability to mount 'CD-ROM Image' through web.
44. Fixed problem of IPMI getting filled with "Invalid Power offset" messages.
45. Fixed failure of SMCIPMITool "pminfo" command on firmware 3.68.
46. Fixed typo errors on Factory Default page, on System Event Log page, in language file of "Power Consumption", on BIOS Update page, on SMC RAKP page, on Activate License page, in XPath /html/body/table/tbody/tr[5]/td[2]/ul/li[1]/span, and in language file of key "LANG_SERVER_HEALTH_ADV_CAPTION".
47. Fixed typo error on BIOS Update page.
48. Fixed grammar error in language file of "Power Consumption".
49. Fixed problem of too many system event logs breaking BMC.
50. Fixed failure of 10 critical tests in Redfish automation.
51. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.
52. Fixed failure of LAN configuration and power control after BMC VLAN is enabled and LAN mode is changed.
53. Fixed problem of user name allowing length of fewer than 4 characters.

- 54. Fixed problem of all KVM consoles being disconnected after launching the maximum of 4 sessions.*
- 55. Fixed missing alert, sensor error status, and blinking error LED when removing power supply.*
- 56. Fixed AD/LDAP/RADIUS conflict.*
- 57. Enabled setting all actions or at least 2 actions to the same hotkeys.*