IPMI Firmware Release Notes Form

Product Name	**X10DRL-LN4**
Release Version	**4.01**
Release Date	**7/7/2021**
Previous Version	**3.87**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	1. **BMC will do auto factory default when updated this FW from BMC revision 2.XX or 1.XX.** 2. **The early BMC FW ->3.73 or above ->3.85, otherwise the BMC will lost FRU and all configurations**
Enhancements	1. Change PSU Event Behavior to meet BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3.docx 2. [ENGINEERING] enhancement - Workaround for gateway 0 issue 3. [ENGINEERING] enhancement - Update Jarsigner certificate 4. [ENGINEERING] enhancement - Install OS fail when mount larger ISO image (over than 5GB) through HTTP. 5. [ENGINEERING] enhancement - set Hotswap OCP timeout 250ms instead of 100us 6. [ENGINEERING] enhance - Sync SW team SELs severity and description 7. [ENGINEERING] Enhancement - set copyright 2020 8. [ENGINEERING] issue - dir\filename.iso is invalid path and name. It should be valid.
New features	1. [ENGINEERING] Add 30 68 e0 get/set post status and 30 68 f9 get service status cmd 2. [ENGINEERING] feature - add csrf prevention feature 3. [ENGINEERING] feature - Support inband update FW event by OEM cmd 0x30 0xc4 4. [ENGINEERING] feature - support ssdp function

Fixes	1. [109887] A lot fail in IPMIECO test due to DCMI power reading fail 2. [122063] WebGUI will show special character username's hex ASCII code after modifiy 3. [122071] SMT_X11IPMI_17628-- Configuration mismatched 4. [ENGINEERING] - fail to get volume information via REDFISH volume API. 5. [ENGINEERING] - fail to get volume information (MRVL) via REDFISH volume API. 6. [122062] fix - SMT_X11IPMI_17628-- Abnormal behavior after sorting sensor by LNR Copy Project Issue Link [120657] fix - SMT_X11IPMI_17625-- IPMI- Sensor reading are abnormal after sorting 7. fix - [120660] SMT_X11IPMI_17625-- IPMI- Network Privilege changed to "No Access" when the user is deleted thru tool 8. [X10] fix - [122783] [IPMI ECO 4.00] CD-ROM host use smcipmitool commend input illegal word issue. 9. [ENGINEERING] Delete SDR command can be done by tool but SDR come back after BMC reboot 10. [X11] fix - [124842] [IPMI ECO 1.76.31] X11DPL-i BMC web crash during WebGUI BIOS upload stage 11. [126104] BMC System Health Icon is Red when using with 3108 without BBU 12. [X11] fix the pcie gen version in Redfish API 13. [116490] Standard -- 14602 -- v3.76.22 -- Wording issue under Virtual Media Page on IPMI Web. 14. [ALL] fix - #122395 Floppy Upload function will accept any file that ends in .ima or .img, without checking for size 15. [ALL] fix - 125409 - [SMCIPMITool_2.25.0_build.210326] SMCIPMITool can't enable "ddns" and "smtp" function. 16. [X10DRFF] #124966 IPMI ECO: 'Refresh Preview Image' stops displaying from the 'Remote Console Preview' window 17. [ENGINEERING] When System Power Down PSU Status Show Failure 18. [120931] ECO -8700-- 3.99(9/4/2020) disable VM port then open IKVM and open VM will display 19. [120929] ECO -8700-- 3.99(9/4/2020) Can add username with character less than 4 20. [121051] Select FW to upload doesn't work for the first time 21. [121050] Fix System still show normal when IPMI sensor failed 22. PB #119805 [Standard -- 8721 -- 3.76.24] Web Session does not timeout (X11SCW-F) PB #120927 ECO -8700-- 3.99(9/4/2020) - Session never time out after set Web Session on WebGUI 23. ECO -8700-- 3.99(9/4/2020) IKVM still alive after user logout 24. [116404] ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port

25. [116406] ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undef
26. [116899] fix - 116899 The event of processor's severity can't match X11 BMC event spec.
27. [116404] Fix - 116404 ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port
28. [116406] Fix - 116406 ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undefined on webGUI
29. [116045] Fix 30 6a SUM' and 'ipmitool' do not match on DCMS/OOB license
30. [ENGINEERING] Fix - redfish can't get permission via AD user while enable ad via SSL setting
31. [ENGINEERING] Fix - NVMe and RAIDIntrate status always warning
32. [ENGINEERING] fix - FRU data lost after BMC upgrading
33. [ENGINEERING] Fix - some account service items
34. [ENGINEERING] Fix - get Disk.Bay redfish return 500 on RAID mode
35. Fix PB #109887, DCMI power reading fail
36. 1)Customer need to set 109289 static router prefix length value to 0

    2) Remove IPv6 static router prefix length cannot input 0 limitation.
37. [ENGINEERING] Fix HTTP/HTTPs port number cannot be applied after restore IPMI
38. [ENGINEERING] fix - fix mount CD Fail via redfish
39. [ENGINEERING] fix - dcmi power reading 0
40. [X10] [X11SSW-F] X10 and X11SSW-F disable SSDP function [#109289] fix - IPMI ECO] Can't save SSDP config (X10 and X11SSW-F not support SSDP function so hidden web page and modify redfish return code.)
41. [ENGINEERING] fix - Fix existing user can't modify user name in web page
42. [ENGINEERING] fix - When Hostname too long Web GUI display mess up issue
43. [ENGINEERING] fix - correct health event log severity and description
44. [#107482] fix - [IPMI: 3.76.09]Remote turn on/off UID fail
45. [ENGINEERING] fix - IPMI show the wrong status of share LAN;
46. [ENGINEERING] fix - Cannot save DDNS settings on web pages in Japanese/SC languages
47. [OBT] fix - dcmi power reading 0
48. [ENGINEERING] fix - HTML5 can't run after update 3.76.01 from 3.68 for X11
49. [ENGINEERING] fix - SSL Certificate update page turns to white page or 500 internal server error.
50. [ENGINEERING] fix - server certificate and private key got cleared when user trying to update new SSL certificate and private key.
51. [ENGINEERING] fix - SNMP lost some sensor information

	52. [ENGINEERING] fix - failed to update bios built in 2020
	53. [ENGINEERING] fix - https port restore fail when restore IPMI config
	54. [104711] fix - IPMI WEBUI Fan Mode Help description mismatch
	55. [104354] - [IPMI ECO] SUM IPMI Test is failing at Test Case 217. [104494] - [IPMI ECO] FW 3.90 Fail in SUM TC217 UM MountIsoImage/unMountIsoImage failed on stress test.
	56. [104354] - [IPMI ECO] SUM IPMI Test is failing at Test Case 217 [104494] - [IPMI ECO] FW 3.90 Fail in SUM TC217
	57. [104307] - System lost BMC function during ONOFF test
	58. [103606] - fan mode description not match feature.
	59. [CUSTOMERS] - Japan customer reports dedicated lan led abnormal blinking
	60. [103126] fix - [IPMI ECO] Some problems for IPMI Web Virtual Media function [ENGINEERING] fix - Fix the issue when using @ as part of the user/password of CD-ROM image ISO mount.
	61. [103343] fix - [IPMI ECO] SUM TC222 Fail when run SUM TC212 and TC222 togerther
	62. Fix CD-ROM Image ISO mount with SUM
	63. [103343] fix - [IPMI ECO] SUM TC222 Fail when run SUM TC212 and TC222 togerther
	64. [102833] fix - X11SSW-F ECO issue, product key will lost after updatebmc though WEB/SUM.
	65. [ENGINEERING] fix - AC cycle BMC reboot continuously if setting dedicated lan mode and the dedicated LAN RJ45 cable unconnected
	66. [ENGINEERING] fix - CD-ROM Image Issues and Config username Special chars support
	67. [ENGINEERING] fix - System trouble shooting now support to download Version.txt, Health event log, Maintenance event log, FRU and SMBIOS information
	68. [ENGINEERING] BMC store factory default option in flash. FW updated with non-preserve follow factory default option in web

3.87 (10/29/2019)

Enhancements
1. *According to RFC 7235 section 2.1, the redfish scheme is case insensitive N/A*
2. *Block iKVM virtual storage if VM port disabled*

New Features
3. *Displays all IPv4/IPv6 addresses on the sys_info page*
4. *IPv6 Static Router.*
5. *Support KCM privileges*
6. *IPv6 default disabling.*
7. *Support Unique Pre-programmed Default Password, form 299-00-190617-001.*

Fixes
1. *Upgrade to IPMI FW 3.83 Sometimes Causes BMC to Crash*
2. *Web session timeout when login BMC with AD/BMC account sometimes*
3. *IPMI does not create a new event when attempting to log in using incorrect credentials*
4. *Long AD domain name display issue*
5. *[SUM 2.3.0] Test fail via smstc.(SUM_2.3.0_20190606)(ECOed to Latest) [100020] Fix - [SUM 2.3.0] Test fail via smstc.(SUM_2.3.0_20190606)(ECOed to ECOed)*
6. *[SMCIPMITool] Test fail via smstc.(SMCIPMITool_2.22.0_build.190315)*
7. *No value was displayed of AOC_NIC_Temp sensor.*
8. *NVME Info incorrect through SMCIPMITool nvme info*
9. *Don't accept the special characters on the share host field*
10. *Fan curve for VRM is incorrect in standard mode [98148] fix - fan curve for DIMM under standard mode is incorrect*
11. *License should be activated when mac change if oob source enabled*
12. *Preservation mismatch in FW 3.85 and 3.86 Warning*
13. *Incorrect behavior after update BIOS through IPMI WEBUI*
14. *Web BMC alertmail seems to have a limit on the number of words, but using raw data to read, the email address is correct.*
15. *Follow Ultra system to adjust Health event log severity for TSMC request*
16. *SUM IPMI test got fail for Test Case 215*
17. *VM Security patch*
18. *Legacy power supply dead to response BMC*
19. *Launch KVM button enable/disable*
20. *Fail to mount CD-ROM image*

3.80 (3/22/2019)

Enhancements
1. *redfish return error 500 after stress redfish get request about 100 more times Infected Motherboard: ALL*

New Features

1. AD/LDAP/RADIUS supports hostname
2. update copyright 2014-2019

Fixes
1. patch pantsdown security fix - CVE_2019_6260
2. there is random aux rev sometimes
3. ipmitool in-band and out-band hang because of the special characters &~`!@#$%^*()_-+={[}]|\:;"'<,>.?/ in username and password
4. top menu refresh link cannot work after AD configuration

3.75 (1/31/2019)

Enhancements
1. Corrected "Trouble Shooting" to "Troubleshooting".
2. Synced system MAC and AOC MAC to Redfish without TAS.

New features
1. Added support for BBP2 PWS-1K01B-1R. 2. Added syslog configuration support for IPv4 and IPv6 hostname.
3. Added ability of SMCIPMITool to download Maintenance event log.
4. Added advanced health event log.
5. Copied BM/BP/BS from FRU1 to FRU0 if they are empty.
6. Added BMC firmware support for LSI3108 firmware update through I2C.
7. Added support for new Redfish APIs.

Fixes
1. Corrected Java SOL not launching a second time.
2. Removed BMC memory leak.
3. Detect PWS-721P power supply.
4. Allow reading SMC power supply FRU.
5. Allow setting user privilege to No Access via cmd.
6. Changed 'event log' to 'health event log' and 'system event log' to 'maintenance event log'.
7. Prevented invalid IP format on IP Access Control page.
8. Clearing configuration no longer clears IP configuration.
9. Fixed issue with redfish/v1/Systems/1/Storage/HA-RAID/Volumes.
10. Redfish no longer returns 500 when NetworkProtocol is patched after factory default.
11. LAN configuration and power control no longer fails after BMC VLAN is enabled and LAN mode is changed.
12. User name length can't be less than 4 characters.
13. Existing KVM consoles no longer disconnects after launching the maximum of 4 sessions.
14. Corrected missing alert, sensor error status, and blinking error LED when removing power supply.
15. Corrected AD/LDAP/RADIUS conflict.
16. Disallow setting actions to 2 or more hotkeys.
17. "Power Source" now shows up in IPMI WebGUI Server Health page.
18. Misc web page formatting.

19. IPMI no longer incorrectly parses PCIe correctable error to other description.
20. Fixed problem of Time Stamp displaying 1970/01/01 in health event log during AC on/off test.
21. Added support for the UEFI PXE boot device via Redfish.