

IPMI Firmware / BIOS Release Notes Form

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Product Name	X10DRL-C/CT/iT
Release Version	4.00
Release Date	12/24/2020
Previous Version	3.87
Update Category	Recommend
Dependencies	N/A
Important Notes	<p>BIOS IAMGE SMT_X10IPMI_400_REDFISH.bin</p> <p>Update from 2.xx to 3.xx will lost FRU and configuration. Please make sure you already backup FRU by IPMI tools. Please contact with technical support to get help.</p> <p>Update by this order: The early BMC FW between 3.00 to 3.73 --> 3.80 --> 3.85 and above, otherwise the BMC will lost FRU and all configurations To update latest IPMI FW 3.85 or above. Please follow these procedures below: 1. If current IPMI FW below 3.73, please contact Tech Support to get IPMI FW 3.80 and update first, before update to 3.85 and above. 2. If current IPMI FW is between 3.73 to 3.84, you may update IPMI FW 3.85 and above.</p>
Enhancements	<ol style="list-style-type: none"> 1. [ENGINEERING] enhancement - Workaround for gateway 0 issue 2. [ENGINEERING] enhancement - Update Jarsigner certificate 3. [ENGINEERING] enhancement - Install OS fail when mount larger ISO image (over than 5GB) through HTTP. 4. [ENGINEERING] enhancement - set Hotswap OCP timeout 250ms instead of 100us 5. [ENGINEERING] enhance - Sync SW team SELs severity and description 6. [ENGINEERING] Enhancement - set copyright 2020
New features	<ol style="list-style-type: none"> 1. [ENGINEERING] feature - add csrf prevention feature 2. [ENGINEERING] feature - Support inband update FW event by OEM cmd 0x30 0xc4 3. [ENGINEERING] feature - support ssdp function
Fixes	<ol style="list-style-type: none"> 1. [120931] ECO -8700-- 3.99(9/4/2020) disable VM port then open IKVM and open VM will display 2. [120929] ECO -8700-- 3.99(9/4/2020) Can add username with character less than 4 3. [121051] Select FW to upload doesn't work for the first time 4. [121050] Fix System still show normal when IPMI sensor failed 5. PB #119805 [Standard -- 8721 -- 3.76.24] Web Session does not timeout (X11SCW-F); PB #120927 ECO -8700-- 3.99(9/4/2020) –

	<ul style="list-style-type: none"> 6. ECO -8700-- 3.99(9/4/2020) IKVM still alive after user logout 7. [116404] ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port 8. [116406] ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undef 9. [116899] fix - 116899 The event of processor's severity can't match X11 BMC event spec. 10. [116404] Fix - 116404 ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port 11. [116406] Fix - 116406 ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undefined on webGUI 12. [116045] Fix 30 6a SUM' and 'ipmitool' do not match on DCMS/OOB license 13. [ENGINEERING] Fix - redfish can't get permission via AD user while enable ad via SSL setting 14. [ENGINEERING] Fix - NVMe and RAIDIntrate status always warning 15. [ENGINEERING] fix - FRU data lost after BMC upgrading 16. [ENGINEERING] Fix - some account service items 17. [ENGINEERING] Fix - get Disk.Bay redfish return 500 on RAID mode 18. Fix PB #109887, DCMI power reading fail 19. 1)Customer need to set IPv6 static router prefix length value to 0; 2) Remove IPv6 static router prefix length cannot input 0 limitation. 20. [ENGINEERING] Fix HTTP/HTTPs port number cannot be applied after restore IPMI 21. [ENGINEERING] fix - fix mount CD Fail via redfish 22. [ENGINEERING] fix - dcmi power reading 0 23. [#109289] fix - IPMI ECO] Can't save SSDP config 24. [ENGINEERING] fix - Fix existing user can't modify user name in web page 25. [ENGINEERING] fix - When Hostname too long Web GUI display mess up issue 26. [ENGINEERING] fix - correct health event log severity and description 27. [#107482] fix - [IPMI: 3.76.09]Remote turn on/off UID fail 28. [ENGINEERING] fix - IPMI show the wrong status of share LAN; 29. [ENGINEERING] fix - Cannot save DDNS settings on web pages in Japanese/SC languages 30. [OBT] fix - dcmi power reading 0 31. [ENGINEERING] fix - HTML5 can't run after update 3.76.01 from 3.68 for X11 32. [ENGINEERING] fix - SSL Certificate update page turns to white page or 500 internal server error. 33. [ENGINEERING] fix - server certificate and private key got cleared when user trying to update new SSL certificate and private key. 34. [ENGINEERING] fix - SNMP lost some sensor information 35. [ENGINEERING] fix - failed to update bios built in 2020 36. [ENGINEERING] fix - https port restore fail when restore IPMI config 37. [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. 38. [ENGINEERING] issue - dir/filename.iso is invalid path and name. It should be valid. 39. [104307] - System lost BMC function during ONOFF test 40. [103606] - fan mode description not match feature. 41. [CUSTOMERS] - Japan customer reports dedicated lan led abnormal blinking 42. [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. 43. [103343] fix - [IPMI ECO] SUM TC222 Fail when run SUM TC212 and TC222 together 44. Fix CD-ROM Image ISO mount with SUM 45. [103343] fix - [IPMI ECO] SUM TC222 Fail when run SUM TC212 and TC222 together 46. [102833] fix - X11SSW-F ECO issue, product key will lost after updatebmc though WEB/SUM. 47. [ENGINEERING] fix - AC cycle BMC reboot continuously if setting dedicated lan mode and the dedicated LAN RJ45 cable unconnected 48. [ENGINEERING] fix - System trouble shooting now support to download Version.txt, Health event log, Maintenance event log, FRU and SMBIOS information
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	49. [ENGINEERING] BMC store factory default option in flash. FW updated with non-preserve follow factory default option in web
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Release Notes from Previous Release(s)

3.87 (10/29/2019)

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. Cannot launch JavaKVM through SMCIPMITool [102429] fix - Unable to mount CD-ROM image.
17. SUM IPMI test got fail for Test Case 215
18. VM Security patch PASS
19. Legacy power supply dead to response BMC
20. Launch KVM button enable/disable PASS
21. Fail to mount CD-ROM image
22. Displays all IPv4/IPv6 addresses on the sys_info page
23. IPv6 Static Router.
24. Support KCM privileges
25. IPv6 default disabling.
26. Support Unique Pre-programmed Default Password, form 299-00-190617-001.
27. According to RFC 7235 section 2.1, the redfish scheme is case insensitive N/A
28. Block iKVM virtual storage if VM port disabled PASS

3.8 (3/22/2019)

1. Improved Redfish webserver stability/performance.
2. Added support for AD/LDAP/RADIUS hostname
3. Patched CVE-2019-6260 pantsdown security fix.
4. IPMITool no longer hangs due to special characters &~`!@#\$\$%^*()_-=+{[]|\\:;'"<,>./ in username and password.
5. Improved webUI displays after AD configuration.

3.75 (1/31/2019)

1. Corrected "Trouble Shooting" to "Troubleshooting".
2. Synced system MAC and AOC MAC to Redfish without TAS
3. Added support for BBP2 PWS-1K01B-1R.
4. Added syslog configuration support for IPv4 and IPv6 hostname.
5. Added ability of SMCIPMITool to download Maintenance event log.
6. Added advanced health event log.
7. Copied BM/BP/BS from FRU1 to FRU0 if they are empty.
8. Added BMC firmware support for LSI3108 firmware update through I2C.
9. Added support for new Redfish APIs.
10. Corrected Java SOL not launching a second time.
11. Removed BMC memory leak.
12. Detect PWS-721P power supply.
13. Allow reading SMC power supply FRU.
14. Allow setting user privilege to No Access via cmd.
15. Changed 'event log' to 'health event log' and 'system event log' to 'maintenance event log'.
16. Prevented invalid IP format on IP Access Control page.
17. Clearing configuration no longer clears IP configuration.

18. Fixed issue with redfish/v1/Systems/1/Storage/HA-RAID/Volumes.
19. Redfish no longer returns 500 when NetworkProtocol is patched after factory default.
20. LAN configuration and power control no longer fails after BMC VLAN is enabled and LAN mode is changed.
21. User name length can't be less than 4 characters.
22. Existing KVM consoles no longer disconnects after launching the maximum of 4 sessions.
23. Corrected missing alert, sensor error status, and blinking error LED when removing power supply.
24. Corrected AD/LDAP/RADIUS conflict.
25. Disallow setting actions to 2 or more hotkeys.
26. "Power Source" now shows up in IPMI WebGUI Server Health page.
27. Misc web page formatting.
28. IPMI no longer incorrectly parses PCIe correctable error to other description.
29. Fixed problem of Time Stamp displaying 1970/01/01 in health event log during AC on/off test.
30. Added support for the UEFI PXE boot device via Redfish.