

IPMI Firmware / BIOS Release Notes Form

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Product Name	X11DSC+
Release Version	3.77.08
Release Date	8/4/2023
Previous Version	3.77.02
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	N/A
New features	1. Feature - Implement key obfuscation
Engineering	N/A
Fixes	1.[159450] - BRLY-2023-009 XSS attack [159451] - BRLY-2023-012 XSS attack [159423] - BRLY-2023-009 XSS attack [159425] - BRLY-2023-012 XSS attack [159426] - BRLY-2023-009 XSS attack [159427] - BRLY-2023-012 XSS attack 2.[ENGINEERING] JAVA KVM does not work when login operator account

	<p>3.[ENGINEERING] fix - Check the content of the obfuscation key buffer after decoding</p> <p>4.[#157967] X11 Saving Dynamic DNS hostname with 63 characters gives an odd, non-popup error mess</p> <p>5.[153704] Ipmitool Chassis Identify Keeps UID LED Light On</p> <p>6.[154786][AOC-AOC-653105A-ECAT]Can't read AOC-NIC temp by IPMI web [154054][AOC-AOC-653106A-ECAT]Can't read AOC-NIC temp by IPMI web</p> <p>7.[ENGINEERING] Remove PN entry on storage monitoring page</p>
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Release Notes from Previous Release(s)

3.77.02(10/28/2022)

1. *Inconsistent Message between X11 SEL spec and BMC Web*
2. *Fix for SATC with Redfish API 2019.03.28*
3. *[ENGINEERING] - Fix SATC full list 2019/03/28 failed testcase(Update Service, Managers)*
4. *[X11] Fix - [136273] 136197--ECO -- 13102-- 03.76.40(12/24/2021) -- Copyright © "year" should be update to 2022 on web GUI.*
5. *[X11] Fix - [IssueID:136198] Anonymous account or null value can be created on HW IPMI.*
6. *[X11] Fix - [IssueID:136025] Default value of "User Status" should be "Enable" when a manager add user account on Web GUI.*
7. *[ENGINEERING] Update Java signing key*
8. *[130474] - [Security] DoS BMC with incorrect IPMI operate packet. [130390] - [Security] Buffer overflow in ipmi_lan ASF protocol. [130584] - [Security] DoS BMC with incorrect IPMI operate packet (4). [129980] - Anonymous account or null value can be created on HW IPMI. Weak MAC - Disable weak algorithm of HMAC-SHA1-96. JQuery - Multiple XSS attacks on between 1.2 and 3.5.0. (Upgrade from 1.11.0 to 3.5.1)*
9. *[ENGINEERING] disable weak mac algorithms*
10. *[ENGINEERING] Disable weak cipher suites from the ports, tcp/443, tcp/623 and tcp/5900.*
11. *IPMI is not showing relevant info Micron 7400 NVMe drive.*
12. *[ENGINEER] Return POST complete GPIO for command 0x30 0x68 0xE0 0x00*
13. *[ENGINEER]Fix some items have cause SSM fail*
14. *Fix 129285 X11DPL-i PCIeDevices API cannot get resrouce*
15. *[128222] WD-SN640][IPMI 3.76.35] Slot @ 0,19,31 Temp Critical/Warning Assertion/Deassertion in IPMI Health Event Log under Windows Stress Test*
16. *[122168] System alert always show red exclamation mark without any error in Web GUI*
17. *fix SMTP API returns 503*
18. *[ENGINEERING] Mount CD-ROM image by http or https host need License.*
19. *[ENGINEERING] Read every CPU Package Identifier data to check IERR ia real.*
20. *[X11] fix - [128489] STD---1.76.35-- Fail to accept valid email address for Alert*
21. *[ENGINEER]Fix some API cannot get info*
22. *[X11] fix - [128488] STD---1.76.35-- Incorrect popup message when saving invalid NTP Server [X11] fix - [129159] [8721 -- Standard -- 3.76.36] Active Directory server can be set with illegal User Domain Name and Domain Controller Server Address values*
23. *[All] fix 116489 - Refresh button will re-mount unmounted floppy disk.*

24.[126900] fix - [SUM 260_b210507][ATT2021 0517] Test case 315 - - In-Band - ChangeBmcCfgr and compare due to BMC driver in-output failed in FreeBSD12

25.[100428]"9.58beta REDFISH ? /redfish/v1/AccountService/ contains incorrect @odata.type"

26.[X11] fix - [129837] SSG-6049P-HDFS-03-VB002 AOC SAS temp sensor issue

27.[139444] fix - Skip "accept all" rule in IPv6 table when counting index

28.[X11] Fix - [139928][ECO -- 8721 -- 1.76.43] FRU Chassis Type OF is listed as All-in-One on the Web UI, but Space-saving in SMCIPMITool (Repeat of #123307)

29.[X11] Fix - [138719][IPMI ECO 1.76.42]IPMI automation test failure [X11] Fix - [138424] SUM test case 251 and 440 failed due to SUM doesn't determine X11DPL-i not support lock down mode.

30.[136122] - BMC "Firmware Revision" format is inconsistent with SMCIPMITool.

31.[136193] fix - Append mask to IP access rule if mask is 32

32.[ENGINEERING] [X11] RE: AOC-STG-b2T FW + HW ECO (CM: COMPUWARE)

33.Support Ampere A100 80G PCIe

34.[ENGINEERING] STD -- 19146 -- 3.76.35 -- [Security] Click jacking potential at 3.76.35

35.Added storelib 7.17 Removed gdbserver from FileSystem

36.[137250] fix - Fix index error in filter rule POST command

37.[X11] Fix - [135772] [PM9A3 E1.S 3.84TB] IPMIWebGUI not showing nvme info

38.SAS3908 can't be detected by current X11 BMC

39.[ENGINEERING] Fix web miss HDD Temp sensor

40.[138690] - User accounts can be created using full-width characters [136515] - Pop up message incorrect while "Password" do not match [136511] - Doesn't pop up reset confirm window, before perform "IKVM Reset". [136197] - Doesn't pop up reset confirm window, before perform "IKVM Reset". [136180] - Pop up message incorrect while "Password" do not match "Confirm Password".

41.[139793] fix: Remove weak encryption algorithms from SSH2.

42.Block the share host of VM start from https:// url via WebUI, IPMI command If user enter https://... as host via WebUI, it will block the operation and pop-up message dialog. If user enter https://... as host via IPMI oem command , it will block the operation and return fail.

43.[ENGINEERING] VRM protection sync with SW team

44.[X11]Fix - [144315] STD -- 10465 -- 1.76.47 -- BMC FW filename does not match

45.[141091] - HDD Temp missing (Show N/A) from IPMI sensor during DC_ONOFF test.

46.[ENGINEERING] To support AOC-MTG-i4T

47.[ENGINEERING] - Modify mainPage redirect issue

48.[X10_X11] - [147367] IP unreachable after modifying Web Port or Web SSL Port to valid value 1

1.76.36(06/28/2021)

1.The Health is kept "Unknown Status" when device is plugged.

2.Support PCIeDevices, PCIeSlots and PCIeFunctions APIs. And provide event by Redfish. 1. PCIeDevices API a) issuing /redfish/v1/Chassis/1/PCIeDevices, and Redfish will return all the available resource b) issuing /redfish/v1/Chassis/1/PCIeDevices/{pciedevice-id}, and it will return the detail of the resource c) issuing /redfish/v1/Chassis/1/PCIeDevices/{pciedevice-id}/PCIeFunctions, and it will return all available pcie functions. d) issuing /redfish/v1/Chassis/1/PCIeDevices/{pciedevice-id}/PCIeFunctions/{pciefunction-id}, and it will return the detail of the pcie function. e) add oem property in PCIeDevices API for GPU instance 2. PCIeSlots API a) issuing /redfish/v1/Chassis/1/PCIeSlots, and Redfish will return the information of pcie slots. b) update the value of ServiceLabel, and provide more details 3. Redfish Event a) create a new listener in /redfish/v1/EventService/Subscriptions b) setup a client to receive the notification c) trigger event d) check the message received in client e) there are oem properties added into the message

- 3.Change PSU Event Behavior to meet BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3.docx
- 4.[ENGINEERING] Add 30 68 e0 get/set post status and 30 68 f9 get service status cmd
- 5.[ENGINEERING] fix - When System Power Down PSU Status Show Failure
- 6.[ENGINEERING] IPMI sensor reading will disappear on X11DSC+ when installing AOC-SGP-I4 during ftu testing.

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- 7.[125661] fix - SSG-6049P-E1CR60L's issue with FRU/Chassis intrusion reset/control panel LED
- 8.[X10DRFF] #124966 IPMI ECO: 'Refresh Preview Image' stops displaying from the 'Remote Console Preview' window
- 9.fix the PCIe Gen version in PCIeDevices instance API
- 10.[ALL] fix - 125409 - [SMCIPMITool_2.25.0_build.210326] SMCIPMITool can't enable "ddns" and "smtp" function.
- 11.[X11] fix - [125541] [IPMI ECO 3.76.31] DCI trigger IERR error but ipmi web no event log and troubleshooting not working.
- 12.[116490] Standard -- 14602 -- v3.76.22 -- Wording issue under Virtual Media Page on IPMI Web.
- 13.[ENGINEERING] fix the pcie gen version in Redfish API
- 14.[126104] BMC System Health Icon is Red when using with 3108 without BBU
- 15.[122395] Floppy Upload function will accept any file that ends in .ima or .img, with
- 16.[ENGINEERING] Delete SDR command can be done by tool but SDR come back after BMC reboot
- 17.fix [ENGINEERING] fix - upport file import/export and bmcinfo via redifsh for ssmOverRedfish tool
- 18.fix [ENGINEERING] Fix cannot Get /restapi/smc/BmcInfo
- 19.[ENGINEERING] - fail to get volume information via REDFISH volume API.
- 20.[ENGINEERING] - fail to get volume information (MRVL) via REDFISH volume API.
- 21.fix - [120660] SMT_X11IPMI_17625-- IPMI- Network Privilege changed to "No Access" when the user is deleted thru tool

1.76.30 (02/03/2021)

1. [ENGINEERING] enhance - Sync SW team SELs severity and description
2. [ENGINEERING] enhancement - Install OS fail when mount larger ISO image (over than 5GB) through HTTP.
3. [ENGINEERING] enhancement - block more invalid input for Configuration Web
4. [ENGINEERING] enhancement - Visa Security Sensitive parameters improvme
5. AOC NIC Temp sensor reading shows
6. [ENGINEERING] feature - Support inband update FW event by OEM cmd 0x30 0xc4
7. [ENGINEERING] feature - support ssdp function
8. [ENGINEERING] feature - support new sensor health status
9. [ENGINEERING] feature - add csrf prevention feature
10. [ENGINEERING] Support IPv6/FQDN for DAP/Radius/AD/Alert/VirtualMedia/SMTP/syslog/NTP/DDNS server.
11. Support the Nvidia T4 GPU card; Support the Nvidia A10 and A40 GPU card
12. [ENGINEERING] fix - dcmi power reading 0
13. [ENGINEERING] fix - SSL Certificate update page turns to white page or 500 internal server error.
14. [ENGINEERING] fix - server certificate and private key got cleared when user trying to update new SSL certificate and private key.
15. [#107878] fix - [IPMI:3.76.09]BMC web display UPI error message Incorrect
16. [OBT] fix - dcmi power reading 0
17. [ENGINEERING] fix - Show the "Model" field as vendor name plus marketing name in Redfish for GPU devices
18. [ENGINEERING] fix - IPMI show the wrong status of share LAN;

19. [ENGINEERING] fix - Cannot save DDNS settings on web pages in Japanese/SC languages
20. [ENGINEERING] fix - There is no GPU info for NVIDIA Tesla T4 GPU cards
21. [ENGINEERING] fix - typo SLOM should be SIOM
22. [107080] fix - [IPMI ECO] GPU 1 and 2 sensors are missing in IPMI 1.76.09
23. [ENGINEERING] fix - Show the "Model" field as vendor name plus marketing name in Redfish for GPU devices.
24. [ENGINEERING] fix - correct health event log severity and description
25. [ENGINEERING] Fix HTTP/HTTPs port number cannot be applied after restore IPMI
26. [ENGINEERING] Fix - Removed sensitive parameters on pages: mainmenu, specifically Remote Console Preview.
27. [ENGINEERING] fix - fixed VISA security issue for maintenance web pages
28. [ENGINEERING] fix - alert and AD web page issue
29. [ENGINEERING] fix - modify user if given invalid input fix - fix problems when deleting an active directory
30. Invalid NVMe Temp critical warning SELs when hot inserted NVMe;
31. [ENGINEERING] fix bios/bmc update fail through SMCIPMITOOL/SUM
32. [ENGINEERING] fix - stunnel port response
33. 1) Added CSRF token check mechanism into firmware upload CGI to firmware_upload.cgi 2) Because http server down after disable http, so it will cause setting of syslog config fail.
34. fix - PB #114144 1 redfish fail
35. fix - PB #114189 SSDP setting can't be saved
36. fix - PB #114140 IPMIECO automation fail
37. Fix - SATC Redfish API test case for BIOS upload
38. Fix PB#114833 Redfish Automation test fail
39. Feature - Support HTML5 VM Fix - PB #115139, [IPMI 1.76.20]ISO can't mount under HTML5
40. [ENGINEERING] Default disable SSDP Fix-PB #115742, BMC FW 1.76.16 has risk to cause intranet problem
41. fix [ENGINEERING] fix - get Disk.Bay redfish return 500 on RAID mode
42. [ALL] enhancement - "Redfish Managers.Network Protocol" SSDP catalog
43. fix [ENGINEERING] fix - some account service items
44. fix [ENGINEERING] fix - NVMe and RAIDIntrate status always warning
45. [ENGINEERING] fix - redfish can't get permission via AD user while enable ad via SSL setting
46. [116298] fix - [IPMI ECO:1.76.20] When the AOC-S40G-i2Q card is inserted, all sensor readings will be displayed as N/A.
47. [114833] fix-Redfish Automation test fail
48. [116316] fix - SUM test fail.
49. [116045] 30 6a SUM' and 'ipmitool' do not match on DCMS/OOB license on X11DGQ-P
50. [118681] Fix - "mei_me 0000:00:16.0: FW not ready" when run eburn linpack test.
51. [120567] IPv6 settings not sync between BIOS and IPMI
52. [120165] fix - [IPMI ECO] BMC crash during WebGUI BIOS upload stage. [120575] fix - Flash bios from IPMI Web UI is failed. [120599] fix - IPMI WEBGUI bios update will crash sometimes when trying to update
53. [116406] ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undefined on webGUI
54. [116404] ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port
55. [ENGINEERING] feature - Support SNMPv3 new OIDs and improve SNMPv1 trap
56. [119701] Redfish automation failed on 3 test case regarding active directory
57. [ENGINEERING] - failed to read PECI through raw 0x30 0xE6

58. *[121538] Fail to get IPV6 Static/Dynamic/DN/SLAAC" message [121539] We setup IPV6 SLAAC, Supermicro treat SLAAC IP is different with HPE [121537] There is no Gateway info for IPv6 address*
59. *[122063] WebGUI will show special character username's hex ASCII code after modify*
60. *[122071] SMT_X11IPMI_17628-- Configuration mismatched*
61. *[ENGINEER] fix - Fix redfish patch response 302 status code*
62. *[ENGINEERING] Web Session does not timeout in system information page*
63. *Kill web will cause web server close not completely*
64. *[121049] Fix System still show normal when IPMI sensor failed*