IPMI Firmware / BIOS Release Notes Form

Product Name	**X11DPD-L/M25**
Release Version	**3.77.08**
Release Date	**10/03/2023**
Previous Version	**3.77.03**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**N/A**
New features	**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** **3.[#157967] X11 Saving Dynamic DNS hostname with 63 characters gives an odd, non-popup error mess** **4.[ENGINEERING] Remove PN entry on storage monitoring page**

3.77.03(12/05/2022)

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.[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

15.[122168] System alert always show red exclamation mark without any error in Web GUI

16.fix SMTP API returns 503

17.[ENGINEERING] Mount CD-ROM image by http or https host need License.

18.[ENGINEERING] Read every CPU Package Identifier data to check IERR ia real.

19.[X11] fix - [128489] STD---1.76.35-- Fail to accept valid email address for Alert

20.[ENGINEER]Fix some API cannot get info

21.[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

22.[All] fix 116489 - Refresh button will re-mount unmounted floppy disk.

23.[126900] fix - [SUM 260_b210507][ATT2021 0517] Test case 315 - - In-Band - ChangeBmcCfg and compare due to BMC driver in-output failed in FreeBSD12

24.[100428]"9.58beta REDFISH ? /redfish/v1/AccountService/ contains incorrect @odata.type"

25.[ENGINEERING] fix - When System Power Down PSU Status Show Failure

26.[X11] fix - [126304] [ECO- BIOS3.4a] BMC WEBUI didn't show all AOC MAC(AOC-AH25G-m2S2TM)

27.[X10DRFF] #124966 IPMI ECO: 'Refresh Preview Image' stops displaying from the 'Remote Console Preview' window

28.fix the PCIe Gen version in PCIeDevices instance API

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

30.[ALL] fix - 125409 - [SMCIPMITool_2.25.0_build.210326] SMCIPMITool can't enable "ddns" and "smtp" function.

31.[X11] fix - [125541] [IPMI ECO 3.76.31] DCI trigger IERR error but ipmi web no event log and troubleshooting not working.

32.[116490] Standard -- 14602 -- v3.76.22 -- Wording issue under Virtual Media Page on IPMI Web.

33.[ENGINEERING] fix the pcie gen version in Redfish API

34.[126104] BMC System Health Icon is Red when using with 3108 without BBU

35.[ENGINEERING] Add 30 68 e0 get/set post status and 30 68 f9 get service status cmd

36.[122395] Floppy Upload function will accept any file that ends in .ima or .img, with

37.[ENGINEERING] Delete SDR command can be done by tool but SDR come back after BMC reboot

38.fix [ENGINEERING] fix - upport file import/export and bmcinfo via redifsh for ssmOverRedfish tool

39.[X11] fix - [124842] [IPMI ECO 1.76.31] X11DPL-i BMC web crash during WebGUI BIOS upload stage

40.fix [ENGINEERING] Fix cannot Get /restapi/smci/BmcInfo

41.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 availabe 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

42.Change PSU Event Behavior to meet BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3.docx

43.[ENGINEERING] - fail to get volume information via REDFISH volume API.

44.[ENGINEERING] - fail to get volume information (MRVL) via REDFISH volume API.

45.fix - [120660] SMT_X11IPMI_17625-- IPMI- Network Privilege changed to "No Access" when the user is deleted thru tool

46.[142639] [8721 -- ECO -- 01.76.45] SUMECO test cases 263 and 374 fail, citing bmccfg comparison error

47.[X11] Fix - [139498][Kioxia XD6 E1.S 3.84TB] IPMIWebGUI not showing nvme info

48.[ENGINEERING] - 1) remove the static properties vector, It is never used in the Odata Core Api

49.[141495] Fix - Deleting a non-existent user is now blocked

50.[136519/136027] Fix - SMCIPMITool will now show error message when trying to set NTP server to "localhost"

51.[136509] Fix - BMC user info should now display normally in Firefox.

52.[136197] Fix - "iKVM Reset" message should now match the expected string.

53.[141154] fix - Search sensor name among standard sensors before OEM sensors

54.[ENGINEERING] Fix web miss HDD Temp sensor

55.[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".

56.[139793] fix: Remove weak encription algorithms from SSH2.

57.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.

58.[139444] fix - Skip "accept all" rule in IPv6 table when counting index

59.[X11] Fix - [139928][ECO -- 8721 -- 1.76.43] FRU Chassis Type 0F is listed as All-in-One on the Web UI, but Space-saving in SMCIPMITool (Repeat of #123307)

60.[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.

61.[136122] - BMC "Firmware Revision" format is inconsistent with SMCIPMITool.

62.[136193] fix - Append mask to IP access rule if mask is 32

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

64.Support Ampere A100 80G PCIe

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

66.[137250] fix - Fix index error in filter rule POST command

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

68.[ENGINEERING] VRM protection sync with SW team

69.[144354] - Fail to mount virtual media

70.[X10_X11] - [144353] Add Alert message more character than limitation via SMCIPMITool will cause BMC reset

71.[X10_X11] - [144340] Mount *.img display wrong file type on mounted information.(Floppy Disk)

72.[X10_X11] - [138687] Virtual Media CD-ROM mount fail behave incorrectly

73.[X10_X11] - [144351] Radius Port info is not consist with WEB and SMCIPMITool

74.[X10_X11] - [144342] User name with special characters not show correctly at WEB Login User info

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

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

77.[ENGINEERING] - Modify mainPage redirect issue

78.[X11] Fix - [147484] ECO -- 14602 -- 3.77.01(09/30/2022) -- Web and SMCIPMITOOL have different default information in RADIUS

79.[X10_X11] - [147513] Web GUI doesn't show any message after add user account

80.[X11] Fix - [146942] [IPMI ECO v.3.76.46] Sensor Readings are unstable when plug in AOC Storage card.

81.[X10_X11] - [148534] Error message will pop up when disable TSIG Authentication

82.[ENGINEERING] - Fix - Get device ID command would NOT report production/debug sign flag at 0x6 0x1 cmd

3.76.30(02/03/2021)

1.[122063] WebGUI will show special character username's hex ASCII code after modifiy

2.[122071] SMT_X11IPMI_17628-- Configuration mismatched

3.[ENGINEERING] enhancement - Support standby FAN power enable from BMC

4.Support the Nvidia T4 GPU card; Support the Nvidia A10 and A40 GPU card

5.[ENGINEER] fix - Fix redfish patch response 302 status code

6.[ENGINEERING] Web Session does not timeout in system information page [119805] [Standard -- 8721 -- 3.76.24] Web Session does not timeout (X11SCW-F)

7.[121051] Select FW to upload doesn't work for the first time

8.[121050] Fix System still show normal when IPMI sensor failed

9.Kill web will cause web server close not completely

10.[120929] ECO -8700-- 3.99(9/4/2020) – Can add username with character less than 4

11.[120567] IPv6 settings not sync between BIOS and IPMI

12.[116406] ECO-8700-3.98(09/04/2020)-Modify CT with Notebook(0A) though SMCIPMITOOL display undefined on webGUI

13.[116404] ECO-8700-3.98(09/04/2020)-undefined alert when open IKVM/HTML5 after close the port

14.[ENGINEERING] feature - Support SNMPv3 new OIDs and improve SNMPv1 trap

15.[119654/119759] Redfish automation failed on 3 test case regarding active directory

16.[119783] [AIOM]AIOM Thermal reading issue.(AOC-ATG-i2T2S(M))

17.[ENGINEERING] - failed to read PECI through raw 0x30 0xE6

3.76.24(11/09/2020)

1.fix [ENGINEERING] fix - get Disk.Bay redfish return 500 on RAID mode

2.[ALL] enhancement - "Redfish Managers.Network Protocol" SSDP catalog

3.fix [ENGINEERING] fix - some account service items

4.[115210] fix - Install riser card lead to IPMI AOC sensor reading missing

5.fix [ENGINEERING] fix - NVMe and RAIDIntrate status always warning
6.[ENGINEERING] fix - redfish can't get permission via AD user while enable ad via SSL setting
7.Fix - PB #114105 IPMI report wrong system power
8.Fix - SATC Redfish API test case for BIOS upload
9.[116298] fix - When the AOC-S40G-i2Q card is inserted, all sensor readings will be displayed as N/A.
10.[116439] fix - SUM test fail.
11.[119177] Fix "Event Log" field at SEL GUI screen is overlapped with "Keyword Search" field on Health Event Log Page
12.[116045] 30 6a SUM' and 'ipmitool' do not match on DCMS/OOB license on X11DGQ-P

3.76.15 (04/29/2020)
1. First Release