

IPMI Firmware / BIOS Release Notes Form

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Product Name	X12DPL-i6/NT6
Release Version	1.00.20
Release Date	10/01/2021
Previous Version	1.00.12
Update Category	Critical
Dependencies	N/A
Important Notes	N/A
Enhancements	<ol style="list-style-type: none">1. Optimize 1U/2U judgement logic2. Follow IPMI_voltage_sensors_threshold_1.05.xlsx, tune the LNR, LC, UC, UNR to +/-10%. Based on HW designer info: nominal voltage value of 3V3SB is 45V in this MB nominal voltage value of P1_DIMM A~D is 1.23V in this MB. Notice that PVNN_PCH LNR/UNR values are constant.3. Remove VTT and VPP SDR first, because this HW design and SW design have limitations, it will trigger SEL when test system DC on/off stress.4. 1. LAN 1 MAC display 00:00:00:00:00:00 on Web homepage. 2. Check the number of LAN in platform.conf sent by BIOS to hide it.5. 1. Support NCSI package ID 1 priority. 2. Support list: AOC-S100GC-i2C/ AOC-S100G-m2C/ AOC-S25G-m2S/ AOC-S25G-b2S/ AOC-S25G-i2S/ AOC-STG-b2T6. After MB cpld fwUP, if system is off, bmc will power_on the system.7. Remove Remove Chassis Intru SDR.8. TEE OS 0x42 error message on IPMI MEL doesn't match with "Kernel code segment (offset: ##) was compromised9. [130474] BMC crash and forceful restart caused by malicious data transmission10. [129981] Creation and activation of a null user and password11. Better compatibility with redfish ATT, after applying the security patches.

New features	<ol style="list-style-type: none"> 1. Implement hyper link of carrier board IP address
Fixes	<ol style="list-style-type: none"> 1. [121184] [DVT]No AOC GPU/Network info & GPU/Network Temp Sensor in IPMI Web GUI 2. [129014] [IPMI ECO 01.00.12] Check sensor not matched with SPEC 3. [126458] X12DPU-6 IPMI 3.3VSB sensor reading gap and Non-Recovery SEL is triggered. 4. [129094] Disconnection message is not exactly when perform IPMI firmware update on web. (iKVM) 5. Follow X12DHM 1U thermal design 6. Evidence should not blocked fwUP in 2021-07 release. 7. [129094] BETA --18367 -- 09.01.01(06/29/2021) -- Disconnection message is not exactly when perform IPMI firmware update on web. (iKVM) 8. [128850]{AST2600 A3} IPMIECO Automation test failed on TC#124, 408, 409, 503 9. [129721] ECO --16914 -- 01.00.14 (07/27/2021)-- Display wrong slot of location field on Network AOC page. 10. [129624] Duplicate AIOM1 mac address on the WebGUI Network AOC page 11. [webGUI] Hide LAN1 MAC Address if it is 00:00:00:00:00:00 12. webGUI "CPU Speed" info data source has been fixed from MaxSocketSupportedSpeed to OperatingSpeed 13. [129554] SUM - Four test cases fail due to the power supply information is empty 14. [129313] cburn onoff failed: mcx512a-acut AOC temp sensor detected n/a twice 15. [122962] Beta -- 16914 -- 00.10.86 ? System entered Update Mode after web Port page stress test" 16. config can't save Sendre of SMTP 17. Shouldn't allow user to set user name and password to the same 18. [129580] A10 GPU is not following fan curve correctly 19. [129432] ECO -- 16914 -- 01.00.14 (07/27/2021) -- Tip message will cover button when browser zoom in size is more than 150% 20. Uncorrectable error and PPR message are incorrect while triggering under OS. Implemented by X12_IPMIManagement_Standarization_SPEC_SEL_20200923.xlsx 21. [129715] BETA -- 17212 -- 01.00.14 -- [Security] Users feature has Cross-site scripting issue when use specific payload 22. [129624] Duplicate AIOM1 mac address on the WebGUI Network AOC page 23. [129721] ECO --16914 -- 01.00.14 (07/27/2021)--Display wrong slot of location field on Network AOC page 24. [128187] BMC sensor reading value have more than 5% 25. [121184] No AOC GPU/Network info & GPU/Network Temp Sensor 26. Beta -- 16914 --00.20.05 -- Incorrect PCIeInterface info displays for AOC & AOIM card through Redfish 27. [130248] STD -- 16914 -- 01.00.15 -- [iKVM] "Mouse Settings" tabs did not translated into other language on HTML5. d "Close" tab is not translated in Japanese. 28. [130184] Missing AIOM thermal sensor on IPMI 29. [130158] [IPMI ECO 00.13.11] IPMI ECO automation test failed 30. 1. R: [120371] MB_NIC_Temp2 sensor reading sometimes will show as N/A, when running AC on/off stress, 2. The root cause is MB_NIC2 Temp unstable. BMC remove MB_NIC2 temp. 3. BMC only monitor MB_NIC1 Temp. 31. Refactor FD related codes 32. [126021] No warning message when set same hotkeys with different

	<p>actions.(Java/iKVM)</p> <p>33. [124856] Set hot key (Ctrl+Shift+F5) to reboot system will no action via Java plug-in</p> <p>34. [130499] Std – 16914 – 01.00.17 – configured SMTP password will disappear if re-save even without modifying it</p> <p>35. [130496] Can't open JAVA iKVM under Windows Server OS</p> <p>36. [129971][DVT] There's no GPU information and temperature sensor reading on IPMI Web. [130303][DVT] There's no GPU information and temperature sensor reading on IPMI Web when NVIDIA TESLA T4 installed.</p> <p>37. [130859] STD-16194-- 01.00.18(09/08/2021) – MultiNode attribute issue</p> <p>38. 2U sku when Chassis Part number is "CSE-829U" at X11DPU, "CSE-HS219U" at X12DHM</p> <p>39. BMC recognize 2U sku when Chassis Part number is "CSE-829U" at X12DPU, "CSE-HS219" at X12DHM</p> <p>40. [130982] ECO -- 20033 -- 01.00.39 BETA (09/11/2021) -- NTP show fail message after setting</p> <p>41. [120199] BETA --16914 -- 00.10.74(11/23/2020) -- Update BMC firmware no responds when network link is 10M & 100M Half/Full Duplex.</p> <p>42. [130565] SUM GetBmcCfg always show VLAN setting was enabled</p> <p>43. Configurations in "resolv.conf" file cannot be reset after BMC is restored to the factory default setting</p> <p>44. [131124][X12DPG-U6]CPU node will loss BMC connection if cold reset CarrierBoard BMC in system without AIOM.</p> <p>45. [131690] "Save" button was not an proper placement for the "CLEAR ALL the Event Logs?"</p> <p>46. Fix SUM inband feature broken</p>
<p>1.00.12 (07/20/2021)</p> <ol style="list-style-type: none"> <i>Improved bios update internal flow</i> <i>bmc boot firmware flash uses 3byte mode</i> <i>Turn on adc compensation feature</i> <i>Better compatibility with provisioning rot_checker script 2021Q2.</i> <i>When a new image being programmed is introducing a new/later version of RollbackID to the one programmed in RoT, BMC will automatically update Golden Image in addition to Active Image because the Golden Image with smaller RollbackID to that in RoT is unusable for recovery.</i> <i>Enable adc compensation feature on adc voltage sensors</i> <i>Add filter to MPS sensor to ignore 0xff reading.</i> <i>Change location name in NIC page (AIOM->System Slot A#, PCIE-> System Slot #)/ Fetch location name from [Chassis/1/Thermal]/ When thermal name include [AIOM], the location field should show [System Slot A#]. When thermal name include [AOC], the location field should show [System Slot #]./ When thermal name include [AOCUR_NIC the location field should show [System Slot 0].</i> <i>[128236] [ECO for IPMI] IPMI sensor GUI NIC ASIC naming doesn't match X12 temp sensor guideline_1.0f/ [128318] [IPMI ECO 01.00.10] Some sensors naming not matched with SPEC</i> <i>[128071] Onboard LAN MAC and information mismatched between on "Network AOC - Component info" and "Dashboard"</i> <i>[127437] ECO --16914 -- 01.00.06 -- Webfunction -- Can't save "IPv6" format at "Destination Address" when protocol is "Redfish"(Alerts)</i> <i>[126253]AC on/off have VcpuVRM message in ipmicfg -sel.log</i> 	

13. [127970] STD---1.00.08sp-- An inaccurate popup message when setting SNMVP3 with special characters
14. [127063] [Samsung PM9A3 / FW GDC5302Q / SYS-120C-TN10R] missing "Manufacturer" and "Product Name" on IPMI
15. [127967] STD---1.00.08sp-- An inaccurate popup message when set user password same as user name
16. R: Correct AOCNIC slot mapping when system use 2U riser card. only AOC-2UR668G4, AOC-2UR68G4-i2XT, AOC-2UR68G4-i4XTS, AOC-2UR68G4-m2TS. Those riser card's slot1 mapping to system slot2, slot2 mapping to system1, slot3 mapping to slot3.
17. [128049] M.2 sensor does not report fan duty, cannot control fan speed. Rootcause is the M.2 in this system design is read from AOC Card, hence the M.2 sensor is naming with "AOCSSD" in sensor table Isit.
18. [128049] U.2 SSD does not report fan duty, cannot control fan speed Rootcause is the U.2 SSD in this system design is naming with "U2_SSD" in sensor table Isit.
19. [128098] [IPMI] WebGUI Network AOC Slot Location is N/A
20. [127933] [AST2600 A3] system hang and lost BMC connection after update CPLD from WebGUI or SUM
21. [127872] Fan speed control should be "Optimal Speed" on IPMI Fan Mode Rootcause is the FanModeSupport
22. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue
23. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue Copy Project Issue Link
24. [127769] AOC-[URG4N4/2UR68G4]-m2TS Temp Sensor show N/A
25. [127627] Missing GPU sensor on IPMI when A100-80GB GPUs are installed
26. [127495] Sensor naming on AOC NIC
27. [126819] AOC_NIC Temp missing
28. [127031] The IPMI sensor threshold names are inconsistent.
29. [127203] [IPMI 0.20.03] Created "RAID1" not properly displays under IPMI while OS detects raid1 creating OK
30. [126819] AOC_NIC Temp missing/ BMC also support the AOM_AIOM_2X8 adapter board
31. [126495] [AST2600_A1chip+BMC A3 patch]AOC M.2 devices Sensor name does Not Match Supermicro_X12 Temp Sensor Naming Guildline_1.0f
32. [126711] "STD---BMC_20210510_01.00.06_STDsp-- Data cannot be remove when updateing BMC thru SUM wih option Non-preserve "
33. [126709] "STD---BMC_20210510_01.00.06_STDsp-- User is able to enter space when setting BMC Hostname "
34. [126710] "STD---BMC_20210510_01.00.06_STDsp-- Syslog page is modifiable in System lockdown mode "
35. [126712] "STD---BMC_20210510_01.00.06_STDsp-- Messy code when session timeout "
36. [126496] [AST2600_A1chip+BMC A3 patch]AOC M.2 devices Sensor is not available in BMC web interface sensor list
37. [126552] ECO --16914 -- 01.00.05 (04/21/2021) --Different behavior when Port is turn OFF and ON status on Port page.
38. [126476] STD-16914- undefined string appended with raid type
39. [118815] BETA --16914 -- 00.10.65(10/16/2020) -- Power consumption graph are not match with value and time stamp.
40. [125971] BIOS ECO] BIOSECO Automation Test Failed.
41. [126179] ECO -16914-- 01.00.03(04/21/2021) – Floppy disk can be unmounted under system lockdown

42. [125390] IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option.
43. [126159] [EVT] FANA sensor cannot be detected.
44. [126344] [IPMI ECO] BMC all sensor reading is N/A
45. According to updated spec to modify Virtual CD-ROM help content
46. [125697] IPMI WebGUI Network AOC page only show two ports for AOC-AH25G-m2S2TM installed on AIOM1 slot
47. [126032] SYS-620P-TRT power fail LED is on
48. [126018] ECO --16914 -- 01.00.03 (04/21/2021) -- Display "LANG_COMMON_PAGE" string at HEL and MEL page. (Chinese simplified)
49. [125741] ECO --16914 -- 01.00.02 (04/12/2021) -- The LED blink (or unblink) occasionally will not sync at Storage page.
50. Implement and modify the GPU SENSOR_TABLE to make the GPU1~6 to report it's FAN Duty.
51. [124447] AC onoff stress test fail
52. [125852] Multi Node page is empty in BMC Web GUI
53. [125906] ECO -- 16416 -- 01.01.07(04/09/2021) -- Tips cover save button when add rules at AD on Firefox windows maximized
54. [125298] Error message pop up after modified web port
55. [125625] MicroLP card will display Unknown Slot3 in Network AOC page
56. fix can't read M.2/ add GPU sensor
57. fixed the following PB issues: [124351] Componet information section is incorrect under CarrierBoard IPMI Web System Componet Overview page./ [125472] Std ?V 16914 ?V 1.00.02 ?V https redirect will not perform properly if not on default http/https ports/ [125510] STD-- 00.10.92 -- Downloaded Excel file shouldn't contain any event log when no category is selected/ [125582] [IPMI] DIMM Temp show N/A during ONOFF testing/ [125654] [Re-open/FW:01.00.02] SUM 2.5.2 (210112) MountIsoImage Fail
58. fixed the following PB issues: [124097] CPU Max Speed is abnormal in IPMI CPU Page/ [124285] Fail to see IPMI sensor reading of all AOC on all riser slots/ [125315] [IPMIECO 00.10.97] Network Page Health Status will display Critical with non-sensor AIOM card/ [125468] Std - 16914 - 1.00.02 - [webGUI] MEL order flipped after modifying IP Access Control/ [125469] Fix duplicate MEL entries for en/disable IP Access Control + extra rule added entry after disable/ [125470] Std - 16914 - 1.00.02 - [REDFISH] TelemetryService missing value in SupportedCollectionFunctions
59. fixed the following PB issues:
 - [123093] Beta -- 16914 -- 00.10.86 -- Fail to add IPV6 link local address
 - [124673] STD --16914 -- 01.00.00(03/17/2021) -- Turn off "Web port" will auto turn off others port at same time.
 - [124677] STD --16914 -- 01.00.00(03/17/2021) -- IP Address not allow IPv6 format at "IP Access Control" page.
 - [124738] STD --16914 -- 01.00.00(03/17/2021) -- Unlock/Select button is enable at Virtual CDROM/SMTP Password/RADIUS/DDNS (System lockdown Mode)
 - [124882] Redfish SimpleUpdate API failed for BIOS firmware update
 - [124988] No Storage page on IPMI.
 - [125023] SYS-220U-TNR: Incorrect NVMe Blink Behavior after Hot Swap and Eject/Insert

[125040] [IPMI firmware BMC_X12AST2600-ROT-5201MS_20210327_01.00.01_STDsp ECO] System Board Power Consumption Graph X-axis "Time Stamp" is not matched with system "current time.

[125092] [BMC event] One 0xDC event description is incorrect. (Device changed on Other OEM Slot->Slot3->Slot2 - Assert) should be "Other components changed - Assert) on the X12DPL/X12DPG but X12DPT-PT46 pass.

[125129] ECO --16914 -- 01.00.01(03/27/2021) -- DNS Server IP/ DNS Server2 IP is configurable at Network page (System lockdown Mode)

[125183] ECO --16914 -- 01.00.01(03/27/2021) -- Couldn't remove selected file on the "Floppy Disk", due to out of the edge. Copy Project Issue Link

[125185] ECO --16914 -- 01.00.01(03/27/2021) -- Network (IPv4/SSL cert/SSDP/DDNS) and HEL(Warning!) check box is configurable for Radius user (Operator Privilege). Copy Project Issue Link

[125187] ECO --16914 -- 01.00.01(03/27/2021) -- IPv4/DDNS/HEL(Warning!) check box is configurable for Local/Radius user (User Privilege).

[125199] ECO --16914 -- 01.00.01(03/27/2021) -- Note box and hit message is overlap and out of edge on SSDP page.

[125202] ECO --16914 -- 01.00.01(03/27/2021) -- Sorting result is not correct of "Total duration" field (Task list).

60. fixed the following PB issues:

[123093] Beta -- 16914 -- 00.10.86 -- Fail to add IPV6 link local address

[124673] STD --16914 -- 01.00.00(03/17/2021) -- Turn off "Web port" will auto turn off others port at same time.

[124677] STD --16914 -- 01.00.00(03/17/2021) -- IP Address not allow IPv6 format at "IP Access Control" page.

[124738] STD --16914 -- 01.00.00(03/17/2021) -- Unlock/Select button is enable at Virtual CDROM/SMTP Password/RADIUS/DDNS (System lockdown Mode)

[124882] Redfish SimpleUpdate API failed for BIOS firmware update

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[125202] ECO --16914 -- 01.00.01(03/27/2021) -- Sorting result is not correct of "Total duration" field (Task list).

61. fixed the following PB issues:

[124869] no sensor info from expander on X12 90bay dual

[124913] [IPMI]noTemp sensor reading for onboard 10G

[124954] STD --16914 -- 01.00.00(03/17/2021) -- DNS Server2 IP default value is not correct.

[124962] [IPMI]Cannot open iKVM on X12DSC

[124979] HDD triggers 100% fan speed with M.2

62. fixed the following PB issues:

[119556] IP Access Control is not allowed with IPv6 format.

[120037] IP Access Control is not allowed with IPv6 format.

[122169] BETA --18367 --09.00.02(01/07/2021) --Can't access BMC web via Ipv6 address

[122269] NVME devices temp sensor display error

[124166] SYS-220U-MTNR: Storage Monitoring not accessible on IPMI - hotplug after boot up w/o drive inserted

[124521] [HDD]DIMM sensor error during AC ONOFF.

[124593] STD -- 00.10.92 -- Fail to save valid value as SSDP Port

[124654] [SSM v5.0.0 build 1187- Redfish Call Home Test result shows some mismatching time in SSM SEL attention & Call Home Service Event Email vs. BMC

[124686] STD -- 01.00.28 -- Incorrect prompt message when set NTP Server with valid value

[124687] STD -- 01.00.28 -- Fail to remove invalid file under SSL Certificates page

63. bios firmware upgrade, refactored the codes.

64. [127349][AST2600 A3] Redfish Automation ATT test failed with 8 failures

0.10.95 (03/26/2021)

1. New version release