IPMI Firmware / BIOS Release Notes Form

Product Name	**X12DPL-i6/NT6**
Release Version	**1.00.12**
Release Date	**07/20/2021**
Previous Version	**0.10.95**
Update Category	**Critical**
Dependencies	**N/A**
Important Notes	**N/A**
Enhancements	1. *Improved bios update internal flow* 2. *bmc boot firmware flash uses 3byte mode* 3. *Turn on adc compensation feature* 4. *Better compatibility with provisioning rot_checker script 2021Q2.* 5. *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.* 6. *Enable adc compensation feature on adc voltage sensors* 7. *Add filter to MPS sensor to ignore 0xff reading.*
New features	1. *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].*

Fixes	1. [128236] [ECO for IPMI] IPMI sensor GUI NIC ASIC naming doesn't match X12 temp sensor guildline_1.0f/ [128318] [IPMI ECO 01.00.10] Some sensors naming not matched with SPEC 2. [128071] Onboard LAN MAC and information mismatched between on "Network AOC - Component info" and "Dashboard" 3. [127437] ECO --16914 -- 01.00.06 -- Webfunction -- Can't save "IPv6" format at "Destination Address" when protocol is "Redfish"(Alerts) 4. [126253]AC on/off have VcpuVRM message in ipmicfg -sel.log 5. [127970] STD---1.00.08sp-- An inaccurate popup message when setting SNMVP3 with special characters 6. [127063] [Samsung PM9A3 / FW GDC5302Q / SYS-120C-TN10R] missing "Manufacturer" and "Product Name" on IPMI 7. [127967] STD---1.00.08sp-- An inaccurate popup message when set user password same as user name 8. 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. 9. [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 lsit. 10. [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 lsit. 11. [128098] [IPMI] WebGUI Network AOC Slot Location is N/A 12. [127933] [AST2600 A3] system hang and lost BMC connection after update CPLD from WebGUI or SUM 13. [127872] Fan speed control should be "Optimal Speed" on IPMI Fan Mode Rootcause is the FanModeSupport 14. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue 15. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue Copy Project Issue Link 16. [127769] AOC-[URG4N4/2UR68G4]-m2TS Temp Sensor show N/A 17. [127627] Missing GPU sensor on IPMI when A100-80GB GPUs are installed 18. [127495] Sensor naming on AOC NIC 19. [126819] AOC_NIC Temp missing 20. [127031] The IPMI sensor threshold names are inconsistent. 21. [127203] [IPMI 0.20.03] Created "RAID1" not properly displays under IPMI while OS detects raid1 creating OK 22. [126819] AOC_NIC Temp missing/ BMC also support the AOM_AIOM_2X8 adapter board 23. [126495] [AST2600_A1chip+BMC A3 patch]AOC M.2 devices Sensor name does Not Match Supermicro_X12 Temp Sensor Naming Guildline_1.0f

24. *[126711] "STD---BMC_20210510_01.00.06_STDsp-- Data cannot be remove when updateing BMC thru SUM wih option Non-preserve "*
25. *[126709] "STD---BMC_20210510_01.00.06_STDsp-- User is able to enter space when setting BMC Hostname "*
26. *[126710] "STD---BMC_20210510_01.00.06_STDsp-- Syslog page is modifiable in System lockdown mode "*
27. *[126712] "STD---BMC_20210510_01.00.06_STDsp-- Messy code when session timeout "*
28. *[126496] [AST2600_A1chip+BMC A3 patch]AOC M.2 devices Sensor is not availiable in BMC web interface sensor list*
29. *[126552] ECO --16914 -- 01.00.05 (04/21/2021) --Different behavior when Port is turn OFF and ON status on Port page.*
30. *[126476] STD-16914- undefined string appended with raid type*
31. *[118815] BETA --16914 -- 00.10.65(10/16/2020) -- Power consumption graph are not match with value and time stamp.*
32. *[125971] BIOS ECO] BIOSECO Automation Test Failed.*
33. *[126179] ECO -16914-- 01.00.03(04/21/2021) – Floppy disk can be unmounted under system lockdown*
34. *[125390] IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option.*
35. *[126159] [EVT] FANA sensor cannot be detected.*
36. *[126344] [IPMI ECO] BMC all sensor reading is N/A*
37. *According to updated spec to modify Virtual CD-ROM help content*
38. *[125697] IPMI WebGUI Network AOC page only show two ports for AOC-AH25G-m2S2TM installed on AIOM1 slot*
39. *[126032] SYS-620P-TRT power fail LED is on*
40. *[126018] ECO --16914 -- 01.00.03 (04/21/2021) -- Display "LANG_COMMON_PAGE" string at HEL and MEL page. (Chinese simplified)*
41. *[125741] ECO --16914 -- 01.00.02 (04/12/2021) -- The LED blink (or unblink) occasionally will not sync at Storage page.*
42. *Implement and modify the GPU SENSOR_TABLE to make the GPU1~6 to report it's FAN Duty.*
43. *[124447] AC onoff stress test fail*
44. *[125852] Multi Node page is empty in BMC Web GUI*
45. *[125906] ECO -- 16416 -- 01.01.07(04/09/2021) -- Tips cover save button when add rules at AD on Firefox windows maximized*
46. *[125298] Error message pop up after modified web port*
47. *[125625] MicroLP card will display Unknown Slot3 in Network AOC page*
48. *fix can't read M.2/ add GPU sensor*
49. *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

50. *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*

51. *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).

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

53. 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

54. 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*
	55. *bios firmware upgrade, refactored the codes.*
	56. *[127349][AST2600 A3] Redfish Automation ATT test failed with 8 failures*
0.10.95 (03/26/2021) 1. *New version release*	