

## BMC FW Release Notes Form

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| <b>Product Name</b>     | <b>X12DPG-QT6</b>  |
| <b>Release Version</b>  | <b>01.01.24</b>  |
| <b>Release Date</b>     | <b>07/01/2022</b>  |
| <b>Build Date</b>       | <b>07/01/2022</b>  |
| <b>Previous Version</b> | <b>01.00.21</b>  |
| <b>Update Category</b>  | <b>Critical</b>  |
| <b>Dependencies</b>     | <b>None</b>  |
| <b>Important Notes</b>  | <b>None</b>  |
| <b>Enhancements</b>     | <b>34.Reminder: Please have EE to validate i2cmap feature during eco this validation process</b><br><b>27.During bmc fwUP, keep fan speed. During bmc reset, keep fan speed.</b>   |
| <b>New features</b>     | <b>17.Add option in BMC UI to create disabled user or edit user to disable.</b><br><b>18.Storage feature broken in 01.01.10.</b><br><b>19.STD -- 17212 -- 01.01.04 -- [Security] Specific strings could brute force the BMC directory.</b><br><b>26.Support Preserve BIOS Boot Options Configuration when updating BIOS FW.</b><br><b>29.Ma3.Improve PSU initialization code, add delay and retries.</b><br><b>x number of SEL up to 4096.</b> |

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| Fixes | <p>1.[137924] STD -- 16416 -- 01.01.22 (2022/02/15) -- Add SNMP type user Not have * to inform Auth Key and Private Key are required items</p> <p>2.[138264] ECO -- 16774 -- 01.01.16 (2022/02/15) -- Language Change title string not translated</p> <p>4.[137300] ECO--15340-- 01.01.13(01/27/2022) -- Create new user on web UI should not get error, even though the user ID is occupied on NoAcces user.</p> <p>5.[138110] ECO--15340-- 01.01.16 (02/15/2022) -- It should not present "Delete" icon while login "Operator" or "User" privileges account. [138112] ECO--15340-- 01.01.16 (02/15/2022) -- Modify password while login "Operator" or "User" privileges account will return Oops error!</p> <p>6.No GPU found on WEB BMC</p> <p>7.[137093][Redfish API Automation test failed]</p> <p>8.[137368] [ECO -- 10349 -- 01.01.13 (20220127) -- Mount failed pop up error message and Even log are incorrectly</p> <p>9.[137442] ECO -- 15338 -- 01.01.13(20220127) -- Mount *.img display wrong file type on Java iKVM Virtual Media</p> <p>10.[137357] ECO -- 17274 -- 01.01.13(01/27/2022) -- Update invalid FW will show MEL message when update BIOS and CPLD</p> <p>11.[137186] [LCS-GPU MI210] GPU information is not correct on IPMI WEB GUI.</p> <p>12.[136988] IPMI ECO] Unspecified Event Log Assertion When AC ON</p> <p>13.[136663] ECO -- 17046 -- 08.10.19 (01/07/2022) -- iKVM(JAVA plug-in/HTML5) should be support IMA file type. [137280] ECO--15340-- 01.01.13(01/27/2022) -- iKVM(JAVA plug-in) should be support "IMA" image.</p> <p>14.[137087] GPUs missing under GPU tab in IPMI Web GUI [137010] GPU and CPU liquid cooling pump SEL error in Liquid cooled system, and no GPUs detected</p> |
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|  | <p>15.All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx will not been discovered.</p> <p>16.[136607] IPMI ECO Update BIOS failed</p> <p>20.[135002] STD -- 17212 -- 09.14.10 BETA -- [Security] ipmitool can set lan mode out of range</p> <p>21.[134964] [BMC-Intel VROC 7.5 OOB] Please grey out "Create Raid" icon if no more physical drive available to create new Raid volume.</p> <p>22.[134545] STD-- 18379 -- 01.01.00-- Function -- Can't sync NTP server when BMC has IPv6 DNS</p> <p>23.[134183] STD -- 17212 -- 01.01.08 -- Password goes wrong when contains \</p> <p>24.[134282] STD -- 17212 -- 01.01.08 -- [Security] XSS attack at Notification Alert Redfish protocol</p> <p>25.[134398] ECO --16461 -- 01.00.25 (12/03/2021) -- Unable to mount "Floppy Disk" while upload the *.ima file.(Virtual Media)</p> <p>28.[132297] BMC mount/unmount ISO file test fail Copy Project Issue Link</p> <p>30.[139329][DVT SYS-F511E2-RT] Judgment mechanism for network AOC health status</p> <p>31.[139811] STD --18605 --X12DGO -- 01.01.04 -- Inconsistent behavior between BMC and BIOS manually Recover</p> <p>32.[135651] STD -- 17212 ?V 09.14.10 BETA ?V [Security] Maintenance event log display error at /cgi/op.cgi (config_smtp)</p> <p>33.[142830] Standard -- 16914 -- 1.1.23 -- Active Directory Remote Group character cap too short</p> <p>35.Improve bmc boot stability</p> <p>36.[140249] Power Average Usage reading value is higher then Max Peak value under Power Consumption</p> <p>37.[142091] ECO -- 16914 --01.01.17(2022/03/04) -- VROC RAID status still show ok When RAID is degrade.</p> |
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#### **Release Notes from Previous Release(s)**

##### **01.00.21(10/22/2021)**

1. During bmc fwUP, keep fan speed. During bmc reset, keep fan speed.
2. Better compatibility with redfish ATT, after applying the security patches.
3. TEE OS 0x42 error message on IPMI MEL doesn't match with "Kernel code segment (offset: ##) was compromised"
4. After MB cpld fwUP, if system is off, bmc will power\_on the system.
5. [130496] Can't open JAVA iKVM under Windows Server OS
6. Refactor FD related codes
7. [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.
8. System with AST2600 have hang issue when running DC on/off testing with Red hat 8.3, We find the eSPI will hang after system hang, Aspeed provide us to clear 0x1e6ee080 bit 30 to 0.
9. [132364] The System observed front panel LED lighted up RED when servers turned on
10. Fix SUM inband feature broken
11. [131690] "Save" button was not an proper placement for the "CLEAR ALL the Event Logs?"
12. [130982] ECO -- 20033 -- 01.00.39 BETA (09/11/2021) -- NTP show fail message after setting
13. [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.
14. Shouldn't allow user to set user name and password to the same
15. config can't save Sendre of SMTP
16. webGUI "CPU Speed" info data source has been fixed from MaxSocketSupportedSpeed to OperatingSpeed

##### **01.00.15( 07/31/2021)**

1. webGUI login should be ok after a session reset.
2. [128071] Onboard LAN MAC and information mismatched between on "Network AOC - Component info" and "Dashboard"
3. [127933] [AST2600 A3] system hang and lost BMC connection after update CPLD from WebGUI or SUM
4. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue Copy Project Issue Link
5. [New feature] 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].
6. bmc boot firmware flash uses 3byte mode
7. Improved bios update internal flow
8. Better compatibility with provisioning rot\_checker script 2021Q2.
9. 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.
10. [New feature] 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 #].
11. bios firmware upgrade, refactored the codes.
12. [128764] BETA--17212--10.86.04--[Security] Server will escape original double quotes in json format when receive an empty value.
13. [128572] T4 GPU temperature sensor show as NA on BMC (feature broken in bmc 01.00.11)
14. Evidence should not blocked fwUP in 2021-07 release.

01.00.06 (05/10/2021)

1.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

2.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

3.fixed the following PB issues: [123845] - After install M.2 PCIE card . 3VCC sensor signal is failed [124185] - IPMI ECO- IPMI automation failed due to 1.2V BMC is not in the lab criteria.

4.fixed the following PB issues: [121445] Garbage value displays in health event logs for Marvel RAID card. [121648][IPMIECO 00.10.81] IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option. [121722] Standard -- 16914 -- 00.10.80 -- Un-authorized process (sshd in /sbin/) accessing critical data (platform.conf) while modifying Port. [122021] OEM- 19233-

05.10.16(01/05/2021) -- Modification button for ADMIN user should not be enabled in system lockdown [122046][IPMIECO 00.10.82] IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option. [122137] SYS-610U-TNR PVT Burn-in Issues [122344] Standard -- 16914 -- 00.10.84 -- Active Directory Binding missing domain [122534] BETA --18367 -- 09.12.01

BETA(01/12/2021) -- Save will return "ERROR:A general ..." when the SNMPv3 is "OFF".(SNMP) [122668] Standard -- 16914 -- 00.10.85 -- BMC hang on factory default at random occasion

5.fixed the following PB issues: [116379] X12DDW-A6 got a lot fail at X12 Redfish auto test [118614] AOC\_NIC fan speed control is not following fan curve/ BMC cannot detect all AOC\_NIC temp in system. [119740] SATC redfish automation failed. [120958] No VDimm sensor reading in IPMI Web [121280] [IPMI 00.23.21 ECO] Power fail events are not match with SPEC. [121884] [SYS-620U-TNR-FE01] The prompt description when BMC reset is easy to confuse users. [122054] [SYS-620U-TNR-FE01] After update BIOS via WebUI, the system will be Power on but the prompt message is still "System is rebooting..." [122056] [SYS-620U-TNR-FE01] When update BIOS via WebUI, the prompt message "System is rebooting..." stays for too long. [122058] STD-16914- 00.10.83 - WebGUI should contain create RAID0 operation for Marvell NR2241-B [122068] [IPMIECO] IPMIECO automation always got dcmi power reading 0w error [122119] Fixed VD Rebuild issue in Redfish and RAID 0 VD creation issue in Redfish. [122124] [IPMI Firmware v10.83 ECO] Redfish automation test failed (1 Failure) [122134] [Storage Monitoring]Link Speed and Link Width issue [122322] Beta -- 16914 -- 00.10.83 -- Elements Are Not Disabled Correctly For Account Privileges

6.fixed the following PB issues: [121833] When AC on, IPMI sel log will appear SPI Channel attack is prevented sel log. [121949][AOC] AOC Card Thermal reading issue [121988] Please provide system for checking Expander Temp sensor reading [122046][IPMIECO 00.10.82] IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option. [122057] Incorrect CreateVDActionInfo attribute value in Redfish for Marvell NR2241-B. [122159] [IPMIECO 00.10.83] IPMI Web System - Component Info - Product Info item display order isn't match spec.

7.fixed the following PB issues: [119946] [RoT] No BIOS recovered from golden image event log in SEL [121512] STD-16914- 00.10.79 - Configure parameter error for creating RAID on WebGUI Marvell NR2241-B [121518] Error message pop up when turn on NTP [121747] [IPMIECO 00.10.81] Definition conflicts in the two sensor documents.

8.fixed the following PB issues: [121199] Hardware Monitor Check Fail [X12SPL] [121315] Node 1 front panel UID LED stays solid on after updating PDB CPLD FW through IPMI Web GUI [121524] The SYS-120C-TN10R failed the FTU test. The sensors read the status at "nc". [121582] [IPMIECO 00.10.79]

IPMI Web - System - Component Info - Overview - CPU health status error. [121648] [IPMIECO 00.10.81]  
 IPMI Web - Virtual Media - Virtual CD-ROM can import invalid symbol for input option.  
 9.fixed the following PB issues: [119358] [RoT] Please confirm the download evidence file name.  
 [120189] [Non-VMD mode]IPMI WEB eject and insert function can't work [120411] BETA --16914 --  
 00.10.75(11/25/2020) -- The "NTP Enable/ Daylight Savings Time" button UI abnormal. [121020] No  
 Virtual Raid information in Logical View page [121059] ECO -16914-- 00.10.76 (12/3/2020) --  
 Close/Enable system lockdown will be stuck at confirmation window sometimes [121082] SATC redfish  
 automation cannot test [121170] [IPMI] SK Hynix PE8010 missing disk information from IPMI WebGUI  
 [121294] SMT\_X12AST2600\_ROT\_001077p -- Downloaded Excel file shouldn't contain any event log  
 when no category is selected [121298] STD-18380 -- 01.00.21( 12/18/2020) -- Button is enabled for  
 operator user for SSDP and SSL Certificate [121301] SMT\_X12AST2600\_ROT\_001077p -- Downloaded  
 sensor file mismatch WebGUI [121403] [BMC event] Severify of "System NIC (0) IPv6 IP Change"  
 should be Warning not OK and "PDSlotx not present - Deassertion" event incorrect" but assertion one  
 is pass under the BMC WebUI\_Health Event Log on the X12SPL. [121406] [BMC event] Severify of  
 "System NIC (0) IPv6 IP Change" should be Warning not OK and "PDSlotx not present - Deassertion"  
 event incorrect" but assertion one is pass under the BMC WebUI\_Health Event Log on the X12SCZ-  
 TLN4F [121509] Fixed mismatched RAID VD strip block size. [121510] Fixed reversed  
 vendor/device/sub-vendor/sub-device IDs [121530]The DCPMM naming should be "PMEM" in IPMI  
 sensor reading, not "DCPM"  
 10.fixed the following PB issues: [120685] Remote Console Preview monitor function failed with User  
 privilage account  
 11.Refactor the NCT6683 discovery process  
 12.fixed the following PB issues: [119401] Alert subject will appear special character after sending mail  
 automatically. [120835] GPU RTX8000 active temp threshold is not correct [121055] ECO -16914--  
 00.10.76( 12/03/2020) -- Incorrect Alert when open IKVM VM tab after close VM port [121056] ECO -  
 16914-- 00.10.76 (12/3/2020) -- Close VM port but NMAP [121059] ECO -16914-- 00.10.76  
 (12/3/2020) -- Close/Enable system lockdown will be stuck at confirmation window sometimes  
 13.fixed the following PB issues: [118805] No add-on card sensor reading when install the card on RSC-  
 S2R-68G4 [120904] BETA --18367 -- 09.00.01(12/07/2020) --Sort symbol not present on "Platform  
 Resiliency Actions" list after change language.  
 14.fixed the following PB issues: [110472] IPMI sensor reading auto refresh button [119596] JAVA  
 iKVM virtual keyboard display not completely [120072] OEM-18605-- 00.10.10(11/11/2020) -- Save  
 NTP server will show NTP disable sometimes [120411] BETA --16914 -- 00.10.75(11/25/2020) -- The  
 "NTP Enable/ Daylight Savings Time" button UI abnormal. [120422] Many Voltage sensor type  
 activities logged during system stress [120509] BETA --16914 -- 00.10.75(11/25/2020) -- Export excel  
 content is not match selected languages. (Sensor Readings/Health Event Log/Maintenance Event Log)  
 [120517] BETA --16914 -- 00.10.75(11/25/2020) -- When input "Hostname" have interval can't save  
 successfully and without error message. [120555] BETA --16914 -- 00.10.75(11/25/2020) -- "Export to  
 Excel" become to English when language changed. (Health Event Log/ [120558] IPMI ECO automation  
 with 00.10.75 ipmi version,12v sensor voltage is not in %5 range [120578] BETA --16914 --  
 00.10.75(11/25/2020) -- "Export to Excel" has two UI design. (Health Event Log/Maintenance Event  
 Log) [120581] BETA --16914 -- 00.10.75(11/25/2020) -- Sensor Thresholds not translated to Chinese  
 simplified /Japanese. [120590] [MB 2.00] MB\_25G Temp sensor show N/A [120787] [BIOS ECO  
 1.0]10G LAN Temp [120872] [Beta Test]Check IPMI WEB sensor reading onboard 1G NIC Temp should  
 not be detected  
 15.[125298] Error message pop up after modified web port

00.10.76 (12/03/2021)

1. First Release.

