

BIOS Release Notes Form

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Product Name	X12DPG-QT6
Release Version	01.00.21
Release Date	10/22/2021
Build Date	10/22/2021
Previous Version	01.00.15
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	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.
New features	N/A

Fixes	<p>1.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.</p> <p>2.[132364] The System observed front panel LED lighted up RED when servers turned on</p> <p>4.Fix SUM inband feature broken</p> <p>5.[131690] "Save" button was not an proper placement for the "CLEAR ALL the Event Logs?"</p> <p>6.[130982] ECO -- 20033 -- 01.00.39 BETA (09/11/2021) -- NTP show fail message after setting</p> <p>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.</p> <p>8.Shouldn't allow user to set user name and password to the same</p> <p>9.config can't save Sendre of SMTP</p> <p>10.webGUI "CPU Speed" info data source has been fixed from MaxSocketSupportedSpeed to OperatingSpeed</p>
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Release Notes from Previous Release(s)

<p>01.00.15(07/31/2021)</p> <p>1. webGUI login should be ok after a session reset.</p> <p>2. [128071] Onboard LAN MAC and information mismatched between on "Network AOC - Component info" and "Dashboard"</p> <p>3. [127933] [AST2600 A3] system hang and lost BMC connection after update CPLD from WebGUI or SUM</p> <p>4. [127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue Copy Project Issue Link</p> <p>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].</p> <p>6. bmc boot firmware flash uses 3byte mode</p> <p>7. Improved bios update internal flow</p> <p>8. Better compatibility with provisioning rot_checker script 2021Q2.</p> <p>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.</p>

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 CreateVDAActionInfo 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 privilege 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.