BMC Firmware Release Notes Form

Product Name	**X12DPG-QR**
Release Version	**1.04.10**
Build Date	**2/1/2024**
Previous Version	**1.02.61**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	• **SMC-2024010010 Command Injection attack** • **SMC-2024010011 XSS attack** • **(CVE-2023-33413) SMC-2024010012 Command Injection attack** • **The BMC configuration file generated in BMC firmware older than Rev. 1.03.14 can't be imported.**
Enhancements	1. **OpenJDK support.** 2. **Redfish 2020.3 related feature network enhancement feature MEL 1.05 and SEL 1.36.** 3. **Empty uffn in backup or golden inventory.** 4. **Enhanced GPU Redfish API value.** 5. **Prompt will now show in Redfish and Web GUI whenever RBID increase has been detected on uploaded firmware.**
New features	1. **Enabled USB LAN 2 options feature (WEB).**

Fixes	1. Unable to close popup window under System lockdown mode. 2. [MEL-0028] AD-related MEL should not show when setting up LDAP and Radius. 3. The user is able to click the delete button in system lockdown mode. 4. Task Queue and Task List 5. DMTF/Redfish standard API support test failed. 6. WebGUI crashed after uploading the product key with the invalid file. 7. Failed to use SecureErase with SAS 3816 IR card on X13SEM-F. 8. IP changed after running the RAW command. 9. Network Setting Page can now save with only one Dedicated LAN Speed Capability. 10. KVM launched and closed MEL should display user ID. 11. SystemLockdown System Lockdown Storage Monitoring Physical View buttons are enabled while drive selection is disabled. 12. [Redfish] Length of ServiceAddresses expected to be 1, but is actually 3. 13. Changed BIOS password fail. 14. MEL Log msg is incorrect when configuring Syslog. Saving Syslog produces MEL even when there are no changes in the values. 15. AOC-S25G-m2S sensor temp drop. 16. NIC health transition event logs during DC on/off. 17. Accept IP access control with prefix 0. 18. Modified the data length check of the OOB preserve command - 0x30 0xA0 0x15. 19. Corrected UUID format. 20. Applied the common fix reported in other platforms. 21. Auto Daylight Saving Time.

22. Fixed IPMI LAN set IPSRC for DHCP to Static IP Missing.

23. Buttons and icons of the Virtual Media page can operate while System Lockdown is enabled.

24. TC 2063 IPMIECO, BMC LAN disconnected after changing LAN mode in IPv4 Static.

    [IPMI ECO] Redfish ATT test fail.

25. BMC GUI sensor arrangement order is not stable.

26. [IPMI ECO 01.01.01] Redfish automation test fail.

27. MEL is incorrect when disable Host Interface.

28. Virtual media display "This function requires SFT-OOB-LIC license!" tip when both DCMS and OOB keys have activated.

29. IP Access Control page can be edited/deleted by user privileges.

30. IPMI Web GUI main menu is ordered incorrectly in Safari.

31. [IPMI ECO 01.01.05] Redfish automation has one fail.

    SATC Redfish Automation Test failed.

32. BMC GUI "System Health" status hasn't changed to critical condition when the system fan failed.

33. Dynamic DNS Server Address default value does not match with each field definition.

34. With HBM CPU, only partial memory modules are listed in IPMI Web GUI memory info.

35. Failed to upload valid TSIG files.

36. Syslog packet does not follow RFC3164.

37. Hostname update/remove has a duplicate record in MEL.

38. Keep unique password when restoring IPMI config.

39. Virtual media OEM command issue.

40. Performed the "-lani 0" command on X13DET-B will show the error message "Failed to set the LAN interface. Completion Code=FFh".

41. Redfish has 3 TC fails.

42. User name string length only supports up to 16, not 31, for SNMPv3.

43. Some functions of Account Services/Network/BMC Settings could be configurable by "User Privileges".

44. Support fixed boot order.

45. Block reserved address when patching IPv6StaticAddresses property of EthernetInterfaces.

46. AOC-S25GC-i2S thermal sensor will lose when executing DC on/off test item.

47. User only can enter 63 characters for the SNMPv3 Authentication Key and Encryption Key.

48. Sensors changed abnormally once the sensor type category was selected.

49. The order of the LAN Interface on WebUI does not follow SPEC.

50. Login RADIUS account.

51. [v01.03.01 firmware] IPMIECO Automation test failed

52. During System Lockdown SystemLockdown, Date and Time Auto Daylights Savings Time switch is not disabled when it should be.

53. Operator health event log advanced settings disabled; License activation Upload button enabled for admin even when no private key file is selected; and one more...

54. The content loss and incorrect of Share LAN when set option to "Shared-AIOM2", " Shared-AOC", and " Shared-AIOM1".

55. "Enable TSIG Authentication" switcher doesn't disable when DDNS is off.

56. Failed Login Attempt Lockout Threshold radio buttons aren't all disabled for Operator and User privilege.

57. Syslog packet does not follow RFC3164.

58. X12DPD IPMI 1.03.03 cannot see the U250 sensor.

59. Radius packet does not follow RFC2865.

	60. Authentication Protocol and Encryption Protocol Range setting does not match Wiki SPEC (Each field 1.32) for SNMPv3.
	61. The error message is incorrect when launching more than four iKVM sessions.
	62. VM cannot save valid IPv6 address with port.
	63. iKVM default setting is not HTML5 after the factory default.
	64. "Number" should be translated into Simplified Chinese and Japanese on the Virtual Media page.
	65. "Export to Excel" button should be translated into Simplified Chinese and Japanese on the Sensor page.
	66. Auto Daylight Savings Time switcher doesn't disable for the Operator and User privileges.
	67. Will display a prompt window similar to the one for switching on lockdown mode.
	68. [v01.03.01 firmware] IPMIECO Automation ATT test failed.
	69. DMTF validator failure.
	70. [AOC-ATG-b2TM] NIC FW update hangs on uploading when using the latest BMC FW on X12DPT-B.
	71. VLAN Tagging test failed.
	72. [OSS] Login UI display is abnormal after performing Factory Default.
	73. Virtual Media – Checkbox and Connect icon style don't follow the specs.
	74. Error message doesn't appear when uploading XML file during BIOS update.
	75. Added DHCP DNS needed to generate MEL.
	76. Failed to block download BIOS/BMC Evidence with No License.
	77. Virtual Media is able to add duplicates, three items with the same Share Host and Path to Image.
	78. Doesn't translate the LLDP page to the selected language.

79. Cannot disable Dynamic DNS if TSIG is enabled, have to disable TSIG first.

80. Failed to display IPv6 link local address.

81. Fixed RMCP connection lost during SPM test.

82. Warning message overlapped when adding a new user.

83. IPMI shows system's power consumption is way too low.

84. IPMI manufacturer name is shown as "unknown".

85. Virtual Media Unmount Device modal buttons show "Close" and "Save" instead of "Yes" and "No" even though it asks "Are you sure you want to UNMOUNT the Device?"

86. Support KCS disable function.

87. No U.2 NVMe temperature when installing INTEL SSDPE2MD800G4.

88. Connect button doesn't work on the Virtual Media page.

89. IPMI ECO redfish automation has four fails.

90. [GUI] Layout of the Dashboard page is not aligned.

91. [GUI] The link speed description of Help info does not quite match with the Spec.

92. License Activate page no change wordings for "New Private Key" to "New Product Key".

93. [SMCIPMITOOL] The return code behavior of execute "IPMI LAN IPv6 clear" is inconsistent.

94. No main menu on IPMIWeb when using iPhone to open X13SEDW IPMIWebGUI.

95. Fixed Systems LogService entry empty data.

96. Adding ACCEPT/DROP rules with duplicate IP Address/Mask get blocked.

97. [GUI] Password can't be the reverse of the User name, error return "Oops! Something went wrong." does not quite match with the situation.

	98. Trash can should be greyed out when using login with User privilege.
	99. [MEL] Add RemoteGroup/User Rules MEL does not follow the same MEL SprivilegePEC version definition. SNMPv3 (Notifications) Authentication Protocol/Encryption Protocol naming is inconsistent with MEL.
	100. Help page does not list related info on SSDP and LLDP.
	101. When adding a new user, keeps showing a warning message after unselecting the SNMP account type.
	102. SMCIPMITool SMSTC test fail on X13SEVR-SP13F.
	103. Error message displayed when mounting image. Mount ISO Image failed on X12DPT-PT6. Unable to connect virtual media when only setting up 1 or 2 virtual machine connections. Connect button doesn't work on the Virtual Media page.
	104. MEL is incorrect when modifying IPV4 DNS Server2 IP.
	105. Virtual Media/Network/User (SNMP) on the Help page are inconsistent with the Actual WEB page.
	106. Abnormal behavior after clicking the Save button many times to delete a task.
	107. The NVMe info is incorrect during the NVMe insertion and ejection.
	108. Physical View HDD temp missing from BMC.
	109. Deleting DNS Server and Server2 IP and saving doesn't generate MEL.
	110. Failed to save a valid IPv4 address for static IP.
	111. Non-set SSDP-related MEL would be triggered when setting up SSDP.
	112. BMC Web UI automation test failed.
	113. Enabled Auto Daylight Saving failed but MEL shows enabled successfully.

114. The title in Virtual Media page doesn't follow UI design.

115. GPU version number dropping issue.

116. Feature support LDAP StartTLS.

117. Power LED not staying solid after initial boot up.

118. BMC Host Interface becomes "Disabled".

119. Added MEL after changed Host Interface "RNDIS Connection" or "CDC-ECM Connection".

120. Added Property "Product" for /redfish/v1.

121. SUM – Failed to Set LAN AutoConfiguration DHCPv6Mode Configuration.

122. Unable to load the SMTP page.

123. Redfish test fail on Check AccountService Accounts Method Privileges due to unexpected status code return.

124. There is an extra backplane object on the BMC "Firmware Management" page.

125. Operator cannot have Full Access to Event Log.

126. PATH '/redfish/v1/Chassis/StorageBackplane/Drives/Disk.Bay.0' status code should be 405 but it is 400.

127. MEL is incorrect when restored to factory default. (RAW 30 41)

128. Logging out with an enabled SMTP alert will create three MEL entries.

129. Null user test failed, created null users are not displayed on users page.

130. SUM – Failed to Set LAN AutoConfiguration DHCPv6Mode Configuration.
Failed to disable IPv6 autoconfig using SMCIPMITool.

131. Notifications (SNMP) in the Help page are inconsistent with the Actual WEB page.

	132. IPV6 – Failed to set Alternative DNS server IP through SMCIPMITOOL. [SMCIPMITOOL] BMC disconnected for a while when setting up IPv6 DNS 2 via command. SMCIPMITOOL DNSv4 mode RAW commands don't work. SMCIPMITOOL The command return code doesn't follow up the specification.
	133. Validate Access with OOB and No License should switch to newer UI behavior.
	134. X13DEM Redfish automation has failed.
	135. The Node Manager Version is shown as unknown() on the X13SEDW-F.
	136. Support NVIDIA RTX 4000 Ada, RTX 5000 Ada, RTX 6000 Ada.
	137. The X12X13_BMC_UI_Spec specification does not define the "Security Icon" and "Security Page"of ROT 2.0.
	138. [MEL-0093] String does not match with LAN Interface option naming.
	139. Fixed Redfish Inconsistency.
	140. MEL is incorrect when configuring Host Interface
	141. No related MEL when disabling TSIG Authentication.
	142. The NVMe temperature will be 45C sometimes.
	143. Set 0.0.0.0 to DNS Server IP would be replaced by a valid DNS Server2 IP after the setting is saved. After saving network IPv4 DNS Server IP as 0.0.0.0, the field does not display 0.0.0.0, also no MEL.
	144. Incorrect GPU Index from IPMI.
	145. HDD Temp/HDD Temp sensor will show N/A when executing cburn-87 DC on/off test.
	146. Lease changed the upper critical temperature to 77C for E3.S SSD drive sensor.

	147. Changed the upper critical temperature to 80C for Samsung NVMe drives.
	148. Set correct format but invalid NTP Server IP, error message return 'Oops' instead of [MEL-0255].
	149. [GUI] Virtual Media/Network/User (SNMP) in Help page are inconsistent with Actual WEB page.
	150. License required behavior/message does not quite match with SW-PM definition.
	151. Duplicate MEL when setting up Dedicated Link Speed and 1G Full Duplex MEL does not match with option name.
	152. When creating RAID level 10/50/60 (Span Depth=3), the "RAID level" information on the BMC Web GUI is incorrect.
	153. [MEL-0104] not listed after successful BMC update without all configurations preserved.
	154. Modify Redfish privilege and licensecheck for Redfish_1_11_API_full_list_20230918 update.
	155. Added SPS version and Microcode version to firmware inventory.
	156. BIOS attribute value is overflow.
	157. Set invalid IPv6 Static Address RAW command does not return CC. [ENGINEERING] Fixed OEM command switching IPv6 stateful mode will not auto get DHCP IPv6 IP.
	158. "License Activation" sub menu wasn't renamed to "License Management".
	159. VirtualMedia SMB does not support mount with port.
	160. PSU health status is abnormal when removing the power cord. The power Fail alert function didn't work. Can't display event log after pulling out the power cord.
	161. Supported one HDD to create RApulling.
	162. Missing ProcessSummary "Model" value in /redfish/v1/Systems/1.

	163. **Fixed VirtualMedia does not allow domain URL with port.**
	164. **Setting power limit 0 to Node Manager failed.**
	165. **Toggling the system power will create repeated "Host FW password has been removed / auto-generated" entries in the MEL.**
	166. **BMC firmware v01.04.09, IKVM function-bar is not working at all.**