

BMC Firmware Release Notes

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Product Name	B12DPE-6
Release Version	01.02.55
Build Date	01/04/2023
Previous Version	01.02.27
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Support AST2600 blades (B4, B12, B13) with CMM-6.
New features	<ol style="list-style-type: none">1. Extended the size limitation of certificate and key files to 30KB.2. Removed rollback ID configuration page. Rollback ID always updates during the firmware update.3. Support Xilinx U250 GPU.4. Enable StatelessAddressAutoConfig in the Redfish Ethernet interface.5. Make HTML5 console the default for iKVM.6. IPv6 auto-config option will be enabled after setting other network parameters.7. Added the Network AOC link in WebUI's System page.8. Added VRM I2C protection map
Fixes	<ol style="list-style-type: none">1. Added MiddlePlane Product SN and Product Name.2. Duplicated Power Reset MEL on CMM when doing a power reset Blade. This will address the unexpected Power Reset MEL on CMM when doing power on Blade.3. Disabled IPMI LAN support.4. Modified to allow special characters in SNMPv2 Community String.5. Fixed error of WebUI incorrectly not allowing user properties in FW 1.00.00 to be edited.6. Fixed Memory Thermal Trip display error.7. Fixed the MEL display issue when the login username contains bad characters.8. After BMC load default, SMCIPMITool cannot clear SEL.9. Modified iKVM (JAVA plug-in) to support "IMA" image.10. Fixed the "Export to Excel" button, it does not deactivate when all

	<p>Maintenance Event Log categories are deselected.</p> <p>11. Converted prefix to string type before checking duplicate rule.</p> <p>12. It should not show tips while saving on "Modify Community String" without any special characters.</p> <p>13. [Security] Redfish login failed will leak the current login username.</p> <p>14. IP Access Control drops the Host Interface, which causes System Brick.</p> <p>15. Fixed Alert Notification for SNMP.</p> <p>16. Pressing the Mount button in HTML5 iKVM Virtual Media with no file selected will prevent mounting.</p> <p>17. Fixed so SMTP user name can save "@" and "." as invalid special characters.</p> <p>18. [Web Function] Disabled Login User Privileges account while Connection Protocol and Authentication are on SMTP.</p> <p>19. WebUI will show "Invalid Username or Password" when a newly created user account has special characters in the username.</p> <p>20. Fixed MEL log non-existent user Delete action.</p> <p>21. Fixed so new error message now displays in Dynamic DNS, Floppy Disk, and IPMI Configuration.</p> <p>22. Fixed Support Intel VROC feature.</p> <p>23. Fixed Redfish SNMP patch protocol enable and port fail. Fixed SNMP as it could not turn "On".</p> <p>24. Support iKVM New UI.</p> <p>25. Fixed login screen to support "eye-icon" button to view passwords.</p> <p>26. Fixed IPMI Web - Network page "DHCPv6" check fail.</p> <p>27. Added warning message for RAID HDD type mixing.</p> <p>28. Fixed so SMTP User Name now supports "@" and ".".</p> <p>29. Removed the license key check in the system troubleshooting WebUI page.</p> <p>30. Fixed the LED blink/unblink action as it takes too long.</p> <p>31. Added Error Message Display Behaviors and MELs.</p> <p>32. Fixed incorrect Severity under MEL.</p> <p>33. Added an error message after modifying Web port and Web SSL port.</p> <p>34. Virtual Media/Record/Full-Screen help content does not match with spec.</p> <p>35. Added different status messages when configuring Virtual Media and DDNS.</p> <p>36. Correct intermittent OS install failures by virtual media HTML5.</p> <p>37. Error message is incorrect when disabled in session user.</p> <p>38. IPMI LAN VLAN value is not expected. VLAN ID value is not matched with spec.</p> <p>39. HTML5/Java iKVM shows the wrong message when updating IPMI firmware in old/new UI iKVM. [iKVM] Protocol won't disconnect when updating IPMI.</p> <p>40. Fixed incorrect display icon color when mount success.</p> <p>Page 2 of 5 SMForm #123, Rev.H (Issued 01/08/16)</p>
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	<p>41. VROC info does not show in Redfish.</p> <p>42. [iKVM] Virtual keyboard language won't sync with iKVM language.</p> <p>43. Fixed configuration backward compatible issue in 01.02.40.</p> <p>44. Set the correct max alert count to 15.</p> <p>45. Fixed the misarranged order of the AOC Temp Sensors.</p> <p>46. Changed IPMI upload configuration message.</p> <p>47. Fixed the NTP setting, it was not syncing after the BMC reboot when setting an invalid NTP server.</p> <p>48. Fixed support arm_sum port option.</p> <p>49. Updated New web UIBMC to create a new page named CMMInfo to display CMM IP Address, and CMM Firmware Version. Updated Redfish to display CMM IP Address, and CMM Firmware Version using postman.</p> <p>50. Fixed so User/Operator privileges should be able to modify themselves while the user is logged in.</p> <p>51. B3ST1: Redfish showing power consumption = 0. B12DPE & B12SPE: Redfish showing power consumption = 0</p> <p>52. Remote iKVM session has a probability to disconnect when taking Power Control action.</p> <p>53. Prevent Virtual CD-ROM from allowing inputting invalid symbols to "User" and "Password".</p> <p>54. Added Error Message Display Behaviors and MELs.</p> <p>55. Modified so that uploaded invalid license key will not generate unsuccessful MEL event logs.</p> <p>56. Fixed abnormal behavior that happens after generating more than 2076 health event logs and Mark/clean Acknowledged.</p> <p>57. Fixed GPU page item name check fail.</p> <p>58. Correct network page "DHCPv6" check failed.</p> <p>59. Confirm that BMC IP is sometimes incorrect.</p> <p>60. IPMI Web - Generate user account with 20 characters password fail.</p> <p>61. Fixed missing SAS 3108 monitoring in 01.02.42-01.02.43.</p> <p>62. Should be forbidden to input "." (dot) when setting the service port number.</p> <p>63. [GUI] Display "System Lockdown Mode is on" during more appropriate circumstances.</p> <p>64. Forbid inputting decimal point values in "Host IP Address".</p> <p>65. Disable "IMG/IMA Image" function once "ISO Image" is already mounted on the same device.</p> <p>66. Mount ISO fail behavior is abnormal while clicking on "Failure message".</p> <p>67. Incorrect MEL after changing Rollback ID setting.</p> <p>68. Fixed abnormal behavior that happens when users visit other pages and then go back to the Network page.</p> <p>69. Fixed incorrect MEL after saving the Network page.</p> <p>70. Severity is not right when the license key is uploaded unsuccessfully.</p> <p>71. [Samsung PM1743-IPMI] "Percentage drive life used" shows as 0% for</p>
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	<p>Samsung PM1743 devices.</p> <p>72. [GUI] Fixed Destination Address of Alert (Redfish) tips overlap.</p> <p>73. Dynamic DNS Server Address and BMC Hostname should display "*" if blank.</p> <p>74. BMC WEB format is sometimes incorrect.</p> <p>75. Inputting existing "Port number" should not return "Oops!" error message.</p> <p>76. Prevent space when modifying the user's SNMPv3 Encryption key and Authentication Key.</p> <p>77. Some of the descriptions on the MEL page don't have an Event ID.</p> <p>78. Severity should not be green when an image is mounted unsuccessfully.</p> <p>79. Fixed the incorrect MEL after setting SMTP User Name.</p> <p>80. SNMP Authentication and Encryption key length maximum does not meet the requirement.</p> <p>81. Fixed some typos in iKVM.</p> <p>82. Modified failed IPMIConfig upload message.</p> <p>83. SSM_5.3.0_build.1208 System Diagnostics cannot be executed under B12SPE-CPU-25G.</p> <p>84. Updated network hostname format.</p> <p>85. Fixed the reading style of the "Power Consumption" graph, should now be able to use the radio button.</p> <p>86. Fixed Backplane M.2 sensor reading detection.</p> <p>87. Provide correct response when clearing IPv6 null address via SMCIPMITool.</p> <p>88. Fixed HTTP error message format at X13 and X12 Redfish (/redfish/{string}.IKVM).</p> <p>89. Display correct BPN CPLD version on the firmware upgrade web page.</p> <p>90. Display correct Event Log time zone.</p> <p>91. Corrected regarding power capping deletion.</p> <p>92. Prevent loss of PFR image version on webUI.</p> <p>93. Ensure Content-Length value is the same as Message Body length.</p> <p>94. Create missing MEL ID for event "Date and time was configured to Sync From CMM successfully".</p> <p>95. Prompt message translated into Simplified Chinese and Japanese at IP Access Control. [149702] - "Duplicated Data" prompt message is not corresponding to the selected "Policy"(ACCEPT/DROP).</p> <p>96. Generate MEL when attempting to log in with the incorrect credentials from webUI.</p> <p>97. Provide consistent power consumption readings between ME and Sensor readings.</p> <p>98. Display capacity for Kioxia CD6 drive in webUI.</p> <p>99. Do not pop up a warning message when adding a different "Policy" with the same IP/Prefix Length.</p> <p>100. Use unique password for the factory default setting.</p> <p>101. Complete "SNMPv2" help window contents on the right-hand side</p>
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	<p>for Japanese.</p> <p>102. Correct issue where if NTP is disabled, admin cannot modify the time zone from webUI.</p> <p>Page 3 of 5 SMForm #123,Rev.H(Issued 01/08/16)</p> <p>103. Correct Date and time: Sync toggle button rendering in CMM.</p> <p>104. Disallow non-numeric values for "Host IP Address" field and check range.</p> <p>105. Disallow ! in Username.</p> <p>106. Show duplicate rules error message in IP Access Control before the duplicate rule has been saved.</p> <p>107. Prevent null added to static IPv6 addresses.</p> <p>108. Corrected IPMI configuration selection button/reload behavior.</p> <p>109. Correct intermittent OS install failures in Virtual Media HTML5.</p>
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