

# BMC FW Release Notes Form

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<b>Product Name</b>	<b>X12DPU-6</b>
<b>Release Version</b>	<b>01.01.16</b>
<b>Build Date</b>	<b>2/15/2022</b>
<b>Previous Version</b>	<b>01.00.26</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>1. Added option in BMC UI to create disabled user or edit user to disable.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<p><b>Fixed the following issues:</b></p> <ol style="list-style-type: none"><li><b>1. Storage feature broken in 01.01.10.</b></li><li><b>2. Description of password length for Account Service User does not match Help.</b></li><li><b>3. Specific strings could brute force the BMC directory.</b></li><li><b>4. IPMItool can set LAN mode out of range.</b></li></ol>

	<p>5. "Create Raid" icon needs to be greyed out if no more physical drive available to create new Raid volume.</p> <p>6. IPMI ECO Update BIOS failure.</p> <p>7. All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are not detected.</p> <p>8. Detection issues during cburn-r83 on/off plus other problems.</p> <p>9. If language setting is "Simplified Chinese" keyboard mapping language should be set to "US-International". (HTML5/IKVM)</p> <p>10. The tips still appear when unchecking SNMP check box adding user account. "Auth Key/Private Key" default value is incorrect when "SNMP" is enabled on Modify User window. "Account Type" does not match on Add/Modify window and user list.</p> <p>11. Unspecified Event Log Assertion when AC ON.</p> <p>12. iKVM(JAVA plug-in) should be support "IMA" image.</p> <p>13. GPUs missing under GPU tab in IPMI Web GUI, GPU and CPU liquid cooling pump SEL error in Liquid cooled system, and no GPUs detected.</p> <p>14. Sort result is incorrect by "Prefix Length" on "IP access Control" page.</p> <p>15. When leaving the focus from edit box, "Prefix Length" will auto reduce from 128 to 32 (Ipv6).</p> <p>16. "Anonymous" user will disappear after filtering by account type "Redfish/IPMI" or "SNMP" again.</p> <p>17. Clicking save will return error message when "Syslog server" is default value.</p>
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**Release Notes from Previous Release(s)**

**01.00.26 (01/04/2022)**

1. Maintained the fan speed when the BMC firmware is updating or resetting.
2. Disallowed the creation and activation of a null user name and password.
3. Corrected the BMC crashing and restarting due to malicious data transmission.
4. Enabled "resolv.conf" file to be reset after the BMC is restored to the factory default setting.
5. Fixed the fail message after configuring the NTP setting.
6. Matched up the IPMI MEL error message with the OS message "Kernel code segment (offset: ##) was compromised."
7. Updated the BMC to power on the system after a CPLD firmware update.
8. Hid the LAN1 MAC address if it is 00:00:00:00:00:00.
9. Enabled launching JAVA iKVM on Windows Server 2016/2019.
10. Fixed saving settings on the SMTP page without modifying the password.
11. Fixed the sensor UR\_NIC1 temperature dropping when AOC-2UR68G4-m2TS is installed during cburn on/off test.
12. Fixed a hang issue when running DC on/off test with Red Hat 8.3.
13. Fixed the front panel LED lighting up red when the server turns on.
14. Improved compatibility with Redfish ATT after applying the security patches.
15. Fixed the SUM inband BIOS update feature.
16. Fixed the location of the "Save" button after selecting "CLEAR ALL the Event Logs?"
17. Fixed WebGUI to show 2U when the chassis part numbers "CSE-829U" and "CSE-HS219U" are the input to the SMCIPMITool/IPMICFG command.
18. Fixed the Gracefully\_Shutdown feature in the WebGUI.
19. Fixed specific strings that could brute force the BMC directory.
20. Fixed the Simplified Chinese Session Time Out message.
21. Fixed synching the NTP server when the BMC has IPv6 DNS.
22. Fixed the user password to be able to contain "\".
23. Fixed the success message pop-up appearing twice in the Configuration -> BMC Settings -> Date and Time page.
24. Enabled the user to enter 65 characters as the Authentication Key and Encryption Key when setting Alerts with the SNMPv3 protocol.
25. Fixed the BMC firmware to automatically switch AOC-S38xx OOB mode from I2C to PCIe after reboot.
26. Fixed the statistics percentage in the System -> Storage Monitoring page.

**01.00.17 (9/2/2021)**

1. Refactored FD-related codes.
2. Added retry mechanism for BMC to cover unstable I2C situation when AOC temperature sensor detects N/A twice.
3. Hid LAN1 MAC Address if it is 00:00:00:00:00:00.
4. Followed IPMI\_voltage\_sensors\_threshold\_1.05.xlsx and tuned the LNR, LC, UC, and UNR to +/-10%.
5. Set nominal value to change from 3.30V to 3.45V when X12DPU-6 IPMI 3.3VSB has a sensor reading gap and Non-Recovery SEL is triggered.
6. Optimized 1U/2U judgement logic.
7. Upgraded BIOS firmware and refactored the codes.