

## IPMI Firmware

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<b>Product Name</b>	<b>X10DRU-XLL</b>
<b>Release Version</b>	<b>3.77</b>
<b>Release Date</b>	<b>7/27/2018</b>
<b>Previous Version</b>	<b>3.66</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. Revised Redfish "Actions" for clearing event log.</b>
<b>New features</b>	<b>1. Added new Redfish features for downloading and uploading IPMI configuration. 2. Added adaptive temperature threshold in SDR for drives connected to 3108. 3. Enabled AC Power On Event log. 4. Added enable and disable options for 3108's JBOD mode over BMC's Web page and Redfish API "/redfish/v1/Systems/1/Storage/HA-RAID". 5. Added Redfish memory information feature. 6. Enabled monitoring of Broadcom 3108 BBU status and logging of it as status change. 7. Added support for saving 3108 storage controller status event.</b>

	<p>8. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.</p> <p>9. Added BMC support to monitor controller temperature, attached physical drive temperature, and attached physical drive status of Broadcom storage controller 3008/3216 (HBA/Host Bus Adapter).</p>
Fixes	<p>1. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.</p> <p>2. Fixed problem of the sensor reading of AOC-STG-i4S card working abnormally.</p> <p>3. Fixed failure of Redfish API test.</p> <p>4. Fixed grammar error on Event Log page.</p> <p>5. Fixed problem of duplicate AOC NIC sensor appearing on sensor reading WebGUI.</p> <p>6. Fixed failure of Redfish automation test.</p> <p>7. Set AC Power On Event log to be reported when BMC executes cold reboot.</p> <p>8. Enabled update of 3108's firmware over BMC's Web page.</p> <p>9. Fixed problem of BMC not logging events when user removes pre-installed HDDs (connected to storage backplane and 3108) during system boot and after Broadcom 3108 storage controller is initialized.</p> <p>10. Fixed failure of email function.</p> <p>11. Fixed failure of Java SOL console launched on Java console.</p> <p>12. Fixed problem of "undefined" message appearing in pop-up window before uploading Broadcom 3108's ROM.</p> <p>13. Fixed inability to update 3108's firmware over BMC's Web page if Logical device is on the card.</p> <p>14. Fixed timeout of Invalid Default Active Directory.</p> <p>15. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.</p> <p>16. Fixed failure to change JBOD mode.</p> <p>17. Fixed problem of the help page of iKVM/HTML5 console not</p>

	<p>supporting multi-language content.</p> <p><b>18. Fixed inconsistency in format of BMC MAC address.</b></p> <p><b>19. Fixed problem of power consumption history showing minimum power as 0W.</b></p> <p><b>20. Fixed incorrect grammar of some text.</b></p> <p><b>21. Fixed problem of 'M' not following after one period in 'R.P.M'.</b></p> <p><b>22. Fixed incorrect grammar in the alert Window.</b></p>
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*Release Notes from Previous Release(s)*

**3.66 (1/30/2018)**

1. *Improved multi-language content on the iKVM/HTML5 option menu and submenu.*
2. *Disabled MCTP support on Broadcom 3108 firmware so it only supports I2C protocol.*
3. *Added support for Redfish firmware inventory (BIOS/BMC update).*
4. *Fixed failure of SUM 2.0.1 Test.*
5. *Fixed failure of IPMI to detect hot plugged NVMe if OS is up first without any NVMe installed.*
6. *Fixed failure of SUM "Test\_case\_215 Outband - ChangeBmcCfg and compare".*
7. *Fixed inability to disable LDAP Authentication immediately after enabling it.*
8. *Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.*