# IPMI Firmware

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| Product Name | X10DRX |
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| Release Version | 3.72 |
| Release Date | 5/15/2018 |
| Previous Version | 3.45 |
| Update Category | Recommended |
| Dependencies | None |
| Important Notes | None |
| Enhancements | 1. Improved multi-language content on the iKVM/HTML5 option menu and submenu.<br>2. Disabled MCTP support on Broadcom 3108 firmware so it only supports I2C protocol.<br>3. Changed the license requirement of WebGUI syslog from DCMS to OOB.<br>4. Renamed Redfish APIs as follows: from /redfish/v1/UpdateService/SSL to /redfish/v1/UpdateService/SSLCert, and from /redfish/v1/UpdateService/SSL/Actions/SSL.Upload to /redfish/v1/UpdateService/SSLCert/Actions/SSLCert.Upload.<br>5. Simplified the actions required to reset OOB interface of Broadcom 3108 RAID controller.<br>6. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016- |

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| | 7434. |
| | 7. Added ability to save BIOS diagnostic file into BMC by OOB command. |
| | 8. Added support for Redfish firmware inventory (BIOS/BMC update). |
| | 9. Revised Redfish "Actions" for clearing event log. |
| New features | 1. Added support for NVidia V100. |
| | 2. Nested ICANN domain in "OEM" part if there is data to show. |
| | 3. Added ability to filter out false alarm CATERR. |
| | 4. Added Redfish support for new APIs. |
| | 5. Set 3108 controller to ignore MCTP-over-PCIe. |
| | 6. Added Redfish support for storage APIs. |
| | 7. Added support for SEL Almost Full log (75%) and SEL Full log (99%). |
| | 8. Added adaptive temperature threshold in SDR for drives connected to 3108. |
| | 9. Enabled AC Power On Event log. |
| | 10. 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". |
| | 11. Added Redfish memory information feature. |
| | 12. Added new Redfish features for downloading and uploading IPMI configuration. |
| Fixes | 1. Fixed failure of SUM 2.0.1 Test. |
| | 2. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and compare". |
| | 3. Fixed inability to disable LDAP Authentication immediately after enabling it. |
| | 4. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU. |
| | 5. Added 204 and 405 http status code support for Redfish API so that 204 http status code responds to APIs that support PATCH and 405 http status code responds to APIs that do not support PATCH. |

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| | 6. Fixed problem of secondary NTP server becoming empty after BMC is restored to default. |
| | 7. Fixed inability to handle SMTP Port Number correctly. |
| | 8. Fixed problem of unexpected alert occurring when changing date and time settings. |
| | 9. Fixed ability of operator level access to reset iKVM. |
| | 10. Fixed problem of system hanging at POST stage, IERR occurring, and some affiliated HDDs within 3108 being lost when systems installed with 3108 AOC run cburn ON/OFF test. |
| | 11. Fixed issue of insufficient information for POST Storage.CreateVolume. |
| | 12. Fixed inability of IPMI to handle uppercase IPv6 address. |
| | 13. Fixed problem of POST action on /redfish/v1/UpdateService/SSL being allowed. |
| | 14. Fixed problem of SUM ECO tests failing to run. |
| | 15. Fixed problem of BIOS/IPMI SEL DIMM location not matching the motherboard silkscreen. |
| | 16. Fixed problem of some digit keys not working when French keyboard layout is selected. |
| | 17. Fixed problem of system hanging during POST with IERR errors when using 3108 AOC. |
| | 18. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default. |
| | 19. Fixed inability of BIOS diagnostic tool to save logs. |
| | 20. Fixed inability of iReasoning MIB Browser (SNMP) to retrieve sensor data. |
| | 21. Fixed failure of SUM test in SUM 1.7.0. |
| | 22. Fixed problem of MSM showing RAID volume setting as "Always Read Ahead" when using IPMI storage monitoring feature to create RAID volume with "No Read Ahead" setting. |
| | 23. Fixed inability to change BMC configuration file by |

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| | OutBand/InBand command. |
| | 24. Fixed problem of health condition showing as "OK" when power supply status is absent. |
| | 25. Set AC Power On Event log to be reported when BMC executes cold reboot. |
| | 26. Enabled update of 3108's firmware over BMC's Web page. |
| | 27. 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. |
| | 28. Fixed grammar error on Event Log page. |
| | 29. Fixed problem of duplicate AOC NIC sensor appearing on sensor reading WebGUI. |
| | 30. Fixed problem of the sensor reading of AOC-STG-i4S card working abnormally. |
| | 31. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default. |
| | 32. Fixed problem of total average power of the system fluctuating under system stress. |