IPMI Firmware

Product Name	**X10DDW-IN**
Release Version	**3.80**
Release Date	**2/14/2019**
Previous Version	**3.65**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Revised Redfish "Actions" for clearing event log.** **2. Migrated IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and renamed the function name from "Event Log" to "System Management Log" in Redfish & Web UI.** **3. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.** **4. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.** **5. Changed SNMP behavior to conform with X11 platform.**
New features	**1. Added new Redfish features for downloading and uploading IPMI configuration.** **2. Added Redfish support for firmware inventory (BIOS/BMC update).** **3. Patched CVE-2019-6260.** **4. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.** **5. Added support for TaskService feature during BIOS, BMC, and**

	Broadcom storage controller update in Redfish. 6. Added support for Node Manager feature in Redfish. 7. Added new feature for GUID/BoardID in Redfish. 8. Added new feature for event data extension in Redfish.
Fixes	1. Improved email function. 2. Corrected Upload button behavior for floppy disk virtual media after unmounting a file. 3. Multi-language support of iKVM/HTML5 console help page. 4. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default. 5. Corrected inconsistencies in BMC MAC address format. 6. Power consumption history no longer shows minimum power as 0W. 7. Allow setting NM power policy by Redfish API. 8. Corrected inability to add AD group name and domain in SMCIPMITool. 9. Allow opening Java IKVM when domain name is used to login to BMC. 10. Allow opening the 4th IKVM session in Redfish. 11. Corrected inconsistencies in BMC MAC address format.

Release Notes from Previous Release(s)

3.65 (12/15/2017) ***Enhancements*** *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. Changed the license requirement of WebGUI syslog from DCMS to OOB.* *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.* *5. Simplified the actions required to reset OOB interface of Broadcom 3108 RAID controller.* *6. Upgraded NTP package to 4.2.8p9 for security issue CVE-2016-7434.* *7. Added ability to save BIOS diagnostic file into BMC by OOB command.* ***New features*** *1. 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.* *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. Added ability to download CATERR dump data for tech support team to analyze.

6. Set 3108 controller to ignore MCTP-over-PCIe.

7. Added Redfish support for storage APIs.

8. Added support for SEL Almost Full log (75%) and SEL Full log (99%).

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. Fixed problem of secondary NTP server becoming empty after BMC is restored to default.

6. Fixed inability to handle SMTP Port Number correctly.

7. Fixed problem of unexpected alert occurring when changing date and time settings.

8. Fixed ability of operator level access to reset iKVM.

9. 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.

10. Fixed security vulnerability with NTP mode 6 scanner.

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 problem of IPMI not displaying NVMe temperature correctly.

21. Fixed inability of iReasoning MIB Browser (SNMP) to retrieve sensor data.

22. Fixed failure of SUM test in SUM 1.7.0.

23. 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.

24. Fixed functionality of NVMe event log when NVMe drives are plugged in or pulled out.

25. Fixed inability to change BMC configuration file by OutBand/InBand command.

26. Fixed problem of health condition showing as "OK" when power supply status is absent.