IPMI Firmware

Product Name	**X10SRI-F**
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. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.** **3. Changed SNMP behavior to conform with X11 platform.** **4. 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.**
New features	**1. Enabled monitoring/logging of Broadcom 3108 BBU status changes.** **2. Added support for saving 3108 storage controller status event.** **3. Added support for new redfish firmware inventory (3018 storage controller) to update firmware.** **4. Improved 3108 firmware updates over BMC's web page.** **5. Added new Redfish features for downloading and uploading IPMI configuration.**

	6. Added adaptive temperature threshold in SDR for drives connected to 3108.
	7. Enabled AC Power On Event log.
	8. 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".
	9. Added Redfish memory information feature.
	10. Added support for Redfish firmware inventory (BIOS/BMC update).
	11. Revert MAC address format to "xx:xx:xx:xx:xx:xx" for backward compatibility.
	12. Added parameter (SkipCheckingME) for BIOS update in Redfish to skip ME checking.
	13. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish.
	14. Added support for Node Manager feature in Redfish.
	15. Added new feature for GUID/BoardID in Redfish.
	16. Added new feature for event data extension in Redfish.
	17. Added support for Redfish TaskMonitor.
	18. Implemented Redfish APIs for SSM/SUM.
Fixes	1. Corrected inconsistencies in BMC MAC address format.
	2. Power consumption history no longer shows minimum power as 0W.
	3. Fixed incorrect grammar of some text, Event log page, and in the alert Window.
	4. Improved email function.
	5. Fixed inability to delete Role Group in Active Directory page.
	6. Improved Java SOL console launch function.
	7. Corrected "undefined" message appearing in pop-up window before uploading Broadcom 3108's ROM.
	8. SSM system information details now shows multiple storage

enclosures.

9. Allow updating 3108's firmware over BMC's Web page if Physical/Logical device is on the card.

10. Corrected Upload button behavior for floppy disk virtual media after unmounting a file.

11. Corrected failure to change JBOD mode.

12. Multi-language support of iKVM/HTML5 console help page.

13. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.

14. Fixed failure of Redfish automation test.

15. Fixed problem of the sensor reading of AOC-STG-i4S card working abnormally.

16. Fixed problem of duplicate AOC NIC sensor appearing on sensor reading WebGUI.

17. Set AC Power On Event log to be reported when BMC executes cold reboot.

18. 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.

19. Allow opening the 4th IKVM session in Redfish.

20. Removed SEL degraded and unavailable events after Broadcom 3108 firmware is updated.

21. Patched CVE-2019-6260.

22. Allow setting NM power policy by Redfish API.

23. Corrected inability to add AD group name and domain in SMCIPMITool.

24. Allow opening Java IKVM when domain name is used to login to BMC.

25. Removed duplicate BRCM3108 events.

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.

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. Set 3108 controller to ignore MCTP-over-PCIe.
6. Added Redfish support for storage APIs.

Fixes:
1. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and compare".
2. Fixed inability to disable LDAP Authentication immediately after enabling it.
3. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.
4. Fixed problem of secondary NTP server becoming empty after BMC is restored to default.
5. Fixed inability to handle SMTP Port Number correctly.
6. Fixed problem of unexpected alert occurring when changing date and time settings.
7. Fixed ability of operator level access to reset iKVM.
8. 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.
9. Fixed issue of insufficient information for POST Storage.CreateVolume.
10. Fixed inability of IPMI to handle uppercase IPv6 address.
11. Fixed problem of POST action on /redfish/v1/UpdateService/SSL being allowed.
12. Fixed problem of SUM ECO tests failing to run.
13. Fixed problem of BIOS/IPMI SEL DIMM location not matching the motherboard silkscreen.
14. Fixed problem of some digit keys not working when French keyboard layout is selected.
15. Fixed problem of system hanging during POST with IERR errors when using 3108 AOC.
16. Fixed problem of IPMI Web Session value not loading the default after IPMI is set to factory default.
17. Fixed failure of SUM 2.0.1 Test.