IPMI Firmware

Product Name	**X10SRH-CF/CLN4F and X10SRG-F**
Release Version	**3.80**
Release Date	**2/14/2019**
Previous Version	**3.65**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1. Enabled monitoring of Broadcom 3108 BBU status and logging of it as status change.** **2. Revised Redfish "Actions" for clearing event log.** **3. Enabled AC Power On Event log.** **4. Set the MAC address format to revert to "xx:xx:xx:xx:xx:xx" in order to prevent backward compatibility.** **5. Changed FirmwaveInventory to SmcFirmwaveInventory to prevent user confusing with Redfish standard definition.** **6. Corrected SNMP behavior and made it identical with X11.** **7. Added patch for CVE-2019-6260 pantsdown.** **8. Migrated the IPMI Event Log to the URL "redfish/v1/Systems/1/LogServices" in Redfish and changed the name "Event Log" to "Health Event Log" in Redfish and Web UI.**
New features	**1. Added support for new Redfish firmware inventory (3108 storage controller) to update firmware.** **2. Added support for saving 3108 storage controller status event.** **3. Added new Redfish features for downloading and uploading IPMI configuration.**

	4. Added adaptive temperature threshold in SDR for drives connected to 3108. 5. 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". 6. Add Redfish memory information feature. 7. Added support for Redfish firmware inventory (BIOS/BMC update). 8. Added support for new SIOM AOC-MH25G-b2s2G. 9. Added parameter (SkipCheckingME) for BIOS EnterUpdateMode in Redfish to skip ME checking. 10. Added support for TaskService feature during BIOS, BMC, and Broadcom storage controller update in Redfish. 11. Added new feature for GUID/BoardID in Redfish. 12. Added new feature for event data extension in Redfish. 13. Added Redfish support for TaskMonitior. 14. Implemented Redfish APIs for SSM. 15. Implemented Redfish APIs for SUM.
Fixes	1. Fixed inconsistency in format of BMC MAC address. 2. Fixed problem of power consumption history showing minimum power as 0W. 3. Fixed incorrect grammar of some words. 4. Fixed problem of 'M' not following after one period in 'R.P.M'. 5. Fixed incorrect grammar in the alert Window. 6. Fixed failure of email function. 7. Fixed inability to delete Role Group in the Active Directory page. 8. Fixed failure to launch Java SOL console on Java console. 9. Fixed problem of "undefined" message appearing in pop-up window before uploading Broadcom 3108's ROM. 10. Fixed problem of the SSM system information details only showing one storage enclosure with Redfish V3.74. 11. Fixed inability to update 3108's firmware over BMC's Web page if

	Logical device is on the card.
	12. Fixed timeout of Invalid Default Active Directory.
	13. Fixed failure of the button to switch to upload in floppy disk after unmounting a file.
	14. Fixed failure to change JBOD mode.
	15. Fixed problem of the help page of iKVM/HTML5 console not supporting multi-language content.
	16. Enabled update of 3108's firmware over BMC's Web page.
	17. Fixed problem of Redfish 500 being returned when NetworkProtocol is patched after factory default.
	18. Fixed problem of the sensor reading of AOC-STG-i4S card working abnormally.
	19. Fixed failure of Redfish AT, SATC test, Redfish Automation test, and Redfish Automation tool check.
	20. Fixed grammar error on Event Log page.
	21. Fixed problem of duplicate AOC NIC sensor appearing on sensor reading WebGUI.
	22. Set AC Power On Event log to be reported when BMC executes cold reboot.
	23. Enabled update of 3108's firmware over BMC's Web page.
	24. 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.
	25. Fixed inability to open the 4th IKVM session in Redfish.
	26. Updated IPMI BMC/Onboard address to "00:00:00:00:00:00.
	27. Fixed inconsistency in format of IP address on System page.
	28. Fixed incorrect number of spaces between two words.
	29. Added support for Node Manager feature in Redfish.
	30. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.
	31. Fixed inability to set NM power policy by Redfish API.

	32. Fixed failure to add AD group name and domain using SMCIPMITool. **33. Fixed inability to open Java IKVM when domain name is used to log in to BMC.** **34. Fixed problem of duplicated events related to BRCM3108 occur at the same time.**

Release Notes from Previous Release(s)

3.65 (12/15/2017)

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. Fixed failure of SUM 2.0.1 Test.
4. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and compare".
5. Fixed inability to disable LDAP Authentication immediately after enabling it.
6. Fixed problem of product serial number being incorrect when it is longer than 15 characters and written in IPMI FRU.