

## IPMI Firmware Release Notes

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<b>Product Name</b>	<b>X10SRL-F</b>
<b>Release Version</b>	<b>3.85</b>
<b>Release Date</b>	<b>9/26/2019</b>
<b>Previous Version</b>	<b>3.80</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. Merged X11 SMASH overflow and rearrange method.</b>
<b>New features</b>	<b>1. Populated NAS-Identifier (rfc2865, 5.32.0) with BMC-specific string. 2. Log multiple absent HDDs as a StorageController event to remind user about possible component-related problem (e.g., storage controller, cable, or backplane error).</b>
<b>Fixes</b>	<b>1. Display long AD domain names. 2. Allow setting port number after changing the VM port. 3. Corrected sensor readings after sort. 4. Remove SEL showing error message after AOC-S3108 updates firmware. 5. Corrected inability to launch SOL window. 6. Corrected message that is displayed when IKVM port is unchecked.</b>

## **Release Notes from Previous Release(s)**

### **3.80 (2/14/2019)**

#### Enhancements

1. Revised Redfish "Actions" for clearing event log.
2. Changed FirmwareInventory to SmcFirmwareInventory 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.